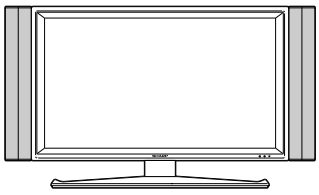
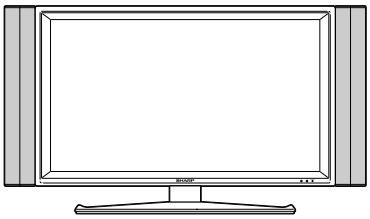
SHARP

SERVICE MANUAL



LC-32G2M/X/H



LC-37G2M/X/H

LCD COLOR TELEVISION

MODELS LC-32G2M/X/H
LC-37G2M/X/H

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

CONTENTS

Page

- LIST OF CHANGED PARTS 2
- IMPORTANT SERVICE SAFETY PRECAUTION 4
- SPECIFICATIONS 7
- OPERATION MANUAL 8
- DIMENSIONS 14
- REMOVING OF MAJOR PARTS 16
- PARTS LIST 24
- PACKING OF THE SET 34

SHARP CORPORATION

This document has been published to be used for after sales service only.
The contents are subject to change without notice.

LIST OF CHANGED PARTS
(LC-32G2M/X/H)

Ref.No.	Description	LC-32G1M/X/H	LC-32G2M/X/H	Note
PWB ASSEMBLIES				
	LCD CONTROL Unit	DUNTKC268VJ46 (M)	DUNTKC268VJ49 (M)	
		DUNTKC268VJ47 (X)	DUNTKC268VJ50 (X)	
		DUNTKC268VJ48 (H)	DUNTKC268VJ51 (H)	
	TMDS RX Unit	DKEYHC269VJ28 (M)	DKEYHC269VJ25 (M)	
		DKEYHC269VJ29 (X)	DKEYHC269VJ26 (X)	
		DKEYHC269VJ30 (H)	DKEYHC269VJ27 (H)	
	KEY Unit	DUNTKC274UJ04 (M)	←	No parts changed
		DUNTKC274UJ05 (X)	←	No parts changed
		DUNTKC274UJ06 (H)	←	No parts changed
	R/C LED Unit	DUNTKC275UJ04 (M)	←	No parts changed
		DUNTKC275UJ05 (X)	←	No parts changed
		DUNTKC275UJ06 (H)	←	No parts changed
	MOTOR SP Unit	DUNTKC276UJ04 (M)	←	No parts changed
		DUNTKC276UJ05 (X)	←	No parts changed
		DUNTKC276UJ06 (H)	←	No parts changed
	POWER SUPPLY Unit	RDENCA081WJZZ (M)	←	No parts changed
		RDENCA059WJZZ (X) (H)	←	No parts changed
	INVERTER-A Unit	RUNTKA069WJZZ (M) (X) (H)	←	No parts changed
	INVERTER-B Unit	RUNTKA070WJZZ (M) (X) (H)	←	No parts changed
	INVERTER-A GND Unit	RUNTKA071WJZZ (M) (X) (H)	←	No parts changed
	INVERTER-B GND Unit	RUNTKA072WJZZ (M) (X) (H)	←	No parts changed
LCD PANEL				
	32" Wide LCD Panel Unit	RLCDTA028WJZZ	←	—
LCD CONTROL Unit				
R2026	Metal Oxide	—	VRS-CY1JF223JY	New Parts
R2029	Metal Oxide	VRS-CY1JF223JY	—	Delete
MOTOR SP Unit				
CABINET AND MECHANICAL PARTS				
Please refer to a Parts list.				
PACKING PARTS AND ACCESSORIES				
Please refer to a Parts list.				

LIST OF CHANGED PARTS
(LC-37G2M/X/H)

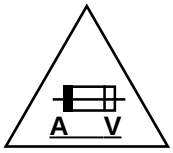
Ref.No.	Description	LC-37G1M/X/H	LC-37G2M/X/H	Note
PWB ASSEMBLIES				
	LCD CONTROL Unit	DUNTKC268VJ53 (M)	DUNTKC268VJ56 (M)	
		DUNTKC268VJ54 (X)	DUNTKC268VJ57 (X)	
		DUNTKC268VJ55 (H)	DUNTKC268VJ58 (H)	
	TMDS RX Unit	DKEYHC269VJ34 (M)	DKEYHC269VJ31 (M)	
		DKEYHC269VJ35 (X)	DKEYHC269VJ32 (X)	
		DKEYHC269VJ36 (H)	DKEYHC269VJ33 (H)	
	KEY Unit	DUNTKC274UJ04 (M)	←	No parts changed
		DUNTKC274UJ05 (X)	←	No parts changed
		DUNTKC274UJ06 (H)	←	No parts changed
	R/C LED Unit	DUNTKC275UJ04 (M)	←	No parts changed
		DUNTKC275UJ05 (X)	←	No parts changed
		DUNTKC275UJ06 (H)	←	No parts changed
	MOTOR SP Unit	DUNTKC276UJ04 (M)	←	No parts changed
		DUNTKC276UJ05 (X)	←	No parts changed
		DUNTKC276UJ06 (H)	←	No parts changed
	POWER SUPPLY Unit	RDENCA081WJZZ (M)	←	No parts changed
		RDENCA059WJZZ (X) (H)	←	No parts changed
	INVERTER-A Unit	RUNTKA080WJZZ (M) (X) (H)	←	No parts changed
	INVERTER-B Unit	RUNTKA081WJZZ (M) (X) (H)	←	No parts changed
	INVERTER-A GND Unit	RUNTKA082WJZZ (M) (X) (H)	←	No parts changed
	INVERTER-B GND Unit	RUNTKA083WJZZ (M) (X) (H)	←	No parts changed
LCD PANEL				
	37" Wide LCD Panel Unit	RLCDTA027WJZZ	←	—
LCD CONTROL Unit				
R2026	Metal Oxide	—	VRS-CY1JF223JY	New Parts
R2029	Metal Oxide	VRS-CY1JF223JY	—	Delete
MOTOR SP Unit				
CABINET AND MECHANICAL PARTS				
Please refer to a Parts list.				
PACKING PARTS AND ACCESSORIES				
Please refer to a Parts list.				

IMPORTANT SERVICE SAFETY PRECAUTION

■ **Service work should be performed only by qualified service technicians who are thoroughly familiar with all safety checks and the servicing guidelines which follow:**

WARNING

1. For continued safety, no modification of any circuit should be attempted.
2. Disconnect AC power before servicing.



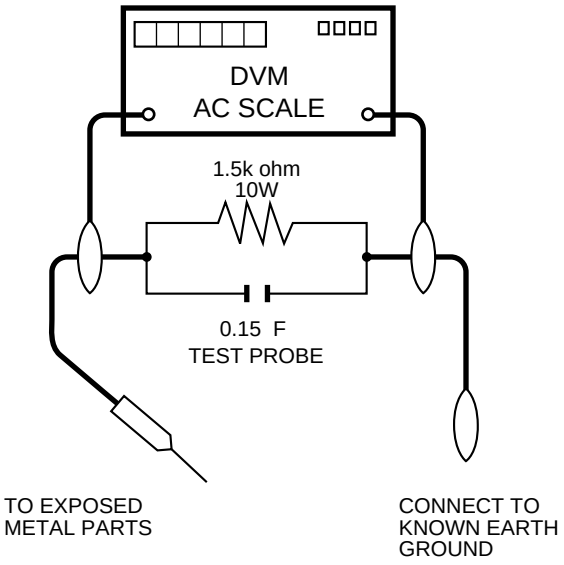
CAUTION: FOR CONTINUED PROTECTION AGAINST A RISK OF FIRE REPLACE ONLY WITH SAME TYPE FUSE.
F701 (3.15A, 250V), F702 (3.15A, 250V), F703 (2A, 250V), F705 (1A, DC450V), F706 (5A, 250V), F707 (5A, 250V)

BEFORE RETURNING THE RECEIVER (Fire & Shock Hazard)

Before returning the receiver to the user, perform the following safety checks:

1. Inspect all lead dress to make certain that leads are not pinched, and check that hardware is not lodged between the chassis and other metal parts in the receiver.
2. Inspect all protective devices such as non-metallic control knobs, insulation materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacitor networks, mechanical insulators, etc.
3. To be sure that no shock hazard exists, check for leakage current in the following manner.

- Plug the AC cord directly into a 110~240 volt AC outlet.
- Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15µF capacitor in series with all exposed metal cabinet parts and a known earth ground, such as electrical conduit or electrical ground connected to an earth ground.
- Use an AC voltmeter having with 5000 ohm per volt, or higher, sensitivity or measure the AC voltage drop across the resistor.
- Connect the resistor connection to all exposed metal parts having a return to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon, etc.) and measure the AC voltage drop across the resistor.
  All checks must be repeated with the AC cord plug connection reversed. (If necessary, a nonpolarized adaptor plug must be used only for the purpose of completing these checks.)
  Any reading of 0.75V rms (this corresponds to 0.5 mA rms AC.) or more is excessive and indicates a potential shock hazard which must be corrected before returning the monitor to the owner.



SAFETY NOTICE

Many electrical and mechanical parts in Liquid Crystal color television have special safety-related characteristics.
These characteristics are often not evident from visual inspection, nor can protection afforded by them be necessarily increased by using replacement components rated for higher voltage, wattage, etc.
Replacement parts which have these special safety characteristics are identified in this manual; electrical components having such features are identified by "⚠" and shaded areas in the ***Replacement Parts List*** and ***Schematic Diagrams.***
For continued protection, replacement parts must be identical to those used in the original circuit.
The use of a substitute replacement parts which do not have the same safety characteristics as the factory recommended replacement parts shown in this service manual, may create shock, fire or other hazards.

Precautions for using lead-free solder

1 Employing lead-free solder

"PWBs" of this model employs lead-free solder. The LF symbol indicates lead-free solder, and is attached on the PWBs and service manuals. The alphabetical character following LF shows the type of lead-free solder.

Example:

Indicates lead-free solder of tin, silver and copper.

2 Using lead-free wire solder

When fixing the PWB soldered with the lead-free solder, apply lead-free wire solder. Repairing with conventional lead wire solder may cause damage or accident due to cracks.

As the melting point of lead-free solder (Sn-Ag-Cu) is higher than the lead wire solder by 40°C, we recommend you to use a dedicated soldering bit, if you are not familiar with how to obtain lead-free wire solder or soldering bit, contact our service station or service branch in your area.

3 Soldering

As the melting point of lead-free solder (Sn-Ag-Cu) is about 220°C which is higher than the conventional lead solder by 40°C, and as it has poor solder wettability, you may be apt to keep the soldering bit in contact with the PWB for extended period of time. However, since the land may be peeled off or the maximum heat-resistance temperature of parts may be exceeded, remove the bit from the PWB as soon as you confirm the steady soldering condition.

Lead-free solder contains more tin, and the end of the soldering bit may be easily corroded. Make sure to turn on and off the power of the bit as required.

If a different type of solder stays on the tip of the soldering bit, it is alloyed with lead-free solder. Clean the bit after every use of it.

When the tip of the soldering bit is blackened during use, file it with steel wool or fine sandpaper.

Be careful when replacing parts with polarity indication on the PWB silk.

Lead-free wire solder for servicing

Part No,	★	Description		Code
ZHNDAi123250E	J	ϕ0.3mm	250g(1roll)	BL
ZHNDAi126500E	J	ϕ0.6mm	500g(1roll)	BK
ZHNDAi12801KE	J	ϕ1.0mm	1kg(1roll)	BM

SPECIFICATIONS

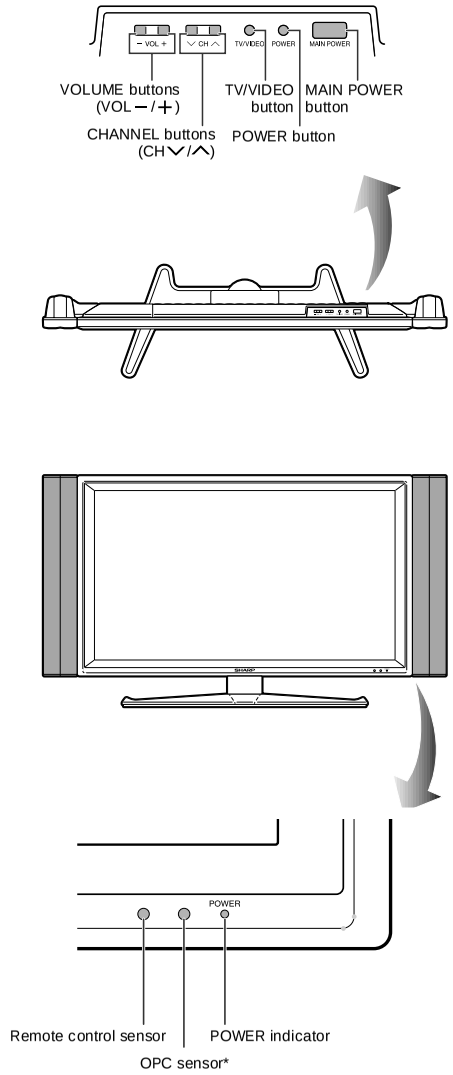
Item				32" LCD COLOUR TV, Model:LC-32G2M/X/H	37" LCD COLOUR TV, Model:LC-37G2M/X/H
LCD panel				32" Advanced Super View & BLACK TFT LCD	37" Advanced Super View & BLACK TFT LCD
Number of dots				3,147,264 dots (1366 × 768 × 3 dots)	
Video Colour System				PAL/SECAM/NTSC 3.58/NTSC 4.43/PAL 60	
TV Function	TV-Standard (CCIR)			PAL: B/G, D/K, I, PAL-60 SECAM: B/G, D/K, K/K_1 NTSC: M	
	Receiving Channel		VHF/UHF	44.25-863.25 MHz	
			CATV	Hyper-band, S1–S41ch	
	TV-Tuning System			Auto Preset 99 ch, Auto Label, Auto Sort	
	STEREO/BILINGUAL			NICAM/A2	
Brightness				450 cd/m^2	
Viewing angles				H : 170° V : 170°	
Audio amplifier				10W × 2	
Speakers				Ø 8 cm 2pcs, Ø 2.5 cm 2pcs	
Terminals	AVC System	Rear	ANTENNA IN	UHF/VHF 75 Ω Din type	
			INPUT 1	AV in, COMPONENT VIDEO in	
			INPUT 2	AV in, S-VIDEO in	
			INPUT 3	AV in, COMPONENT VIDEO in	
			INPUT 5	Ø 3.5 mm jack (Audio input), DVI-I (DVI-I input)	
			AV OUTPUT	RCA pin (AV output [Audio: Variable/Fixed])	
			DC OUTPUT	DC9V 7W MAX	
			SPEAKER-B	External speaker output terminal (L and R)	
			CENTRE CHANNEL INPUT	RCA pin	
			RS-232C	D-sub 9pin male connector	
		Front	INPUT 4	AV in, S-VIDEO in	
			Headphones	Ø 3.5mm jack (Audio output)	
			PC Card slot	PC Card Type II (PC Card Adapter)	
OSD language				English/Chinese/Arabic	
Power Requirement				AC 110–240 V, 50 Hz	
Power Consumption	AVC System			36 W (0.6 W Standby)	
	Display			117 W (0.3 W Standby) (Method IEC60107)	157 W (0.3 W Standby) (Method IEC60107)
Weight	AVC System			6.6 kg (w/o stand), 6.8 kg (with stand)	
	Display			13 kg (Display only), 17.5 kg (with Display and speakers), 22 kg (with Display, speakers and stand)	14.5 kg (Display only), 19.5 kg (with Display and speakers), 24 kg (with Display, speakers and stand)
Accessories				Operation manual, Remote control unit (×1), System cable (×1), AC cord (×2), "AAA" size battery (×2), AVC system stand unit (×1), Cable clamp (×1), Antenna cable (×1)	Operation manual, Remote control unit (×1), System cable (×1), AC cord (×2), "AAA" size battery (×2), AVC system stand unit (1), Cable clamp (×1), Antenna cable (×1), Speaker unit (×1), Bracket unit (×1), Screwdriver (×1)

- As a part of policy of continuous improvement, SHARP reserves the right to make design and specification changes for product improvement without prior notice. The performance specification figures indicated are nominal values of production units. There may be some deviations from these values in individual units.

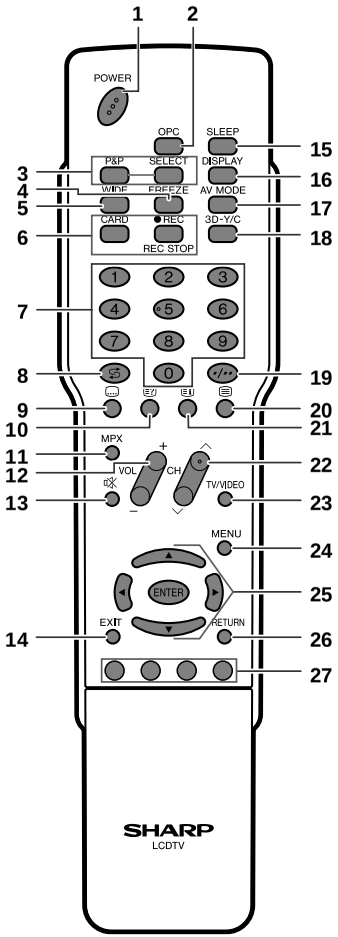
Specifications are subject to change without prior notice.

Part names

Display



Remote control unit



NOTE

- When using the remote control unit, point it at the Display.

1 **POWER (STANDBY/ON)**
To switch the power on and off.

2 **OPC**
To switch the Optical Picture Control on and off.

3 **P&P**
Set the dual picture mode. Press **P&P** again to return to normal view.

SELECT
To select either screen to be active in Dual screen mode.

4 **FREEZE**
TV/External input mode: Change the still image mode.
TELETEXT mode: Freeze a multi-page on screen while other pages are automatically updated. Press **FREEZE** again to return to the normal image.

5 **WIDE**
TV/External input mode: Change the wide image mode.

TELETEXT mode: Set the area of magnification. (full/upper half/lower half)

6 **CARD**
Switch to the card mode.
Card mode: Press to turn the Card Control Panel on and off.

● (REC/REC STOP)
Still image: Press to capture a still image to a card after freezing the image from TV or external equipment.
Motion picture: Press to start/stop recording a motion picture to a card from TV or external equipment.

7 **0 – 9**
TV/External input mode: Set the channel.
TELETEXT mode: Set the page.

8 **(Flashback)**
Press to return to the previous image in normal viewing mode.

9 **(SUBTITLE for TELETEXT)**
TV/External input mode: To turn the subtitles on and off.

10 **(Reveal hidden for TELETEXT)**
TELETEXT mode: Display hidden characters.

11 **MPX**
Select the sound multiplex mode.

12 **VOL − /VOL +**
Set the volume.

13 **(MUTE)**
Mute the sound.

14 **EXIT**
Turn off the On Screen Display.

15 **SLEEP**
Set the Sleep timer.

16 **DISPLAY**
Display the programme information.

17 **AV MODE**
Select a video setting: AV MODE (STANDARD, MOVIE, GAME, USER, DYNAMIC), PC MODE (STANDARD, USER)

18 **3D–Y/C**
To switch the 3D Y/C function on and off.

19 **·/·· (Digit for channel select)**
Change the digits of the selected TV channel.

20 **(TELETEXT)**
Select the TELETEXT mode. (all TV image, all TEXT image, TV/TEXT image)

21 **(TOP Overview for TELETEXT)**
TELETEXT mode: Display an index page for CEEFAX/FLOF information. TOP Overview for TOP programme.

22 **CH ∧/CH ∨**
TV input mode: Select the channel.
TELETEXT mode: Select the page.

23 **TV/VIDEO (INPUT SOURCE)**
Select an input source. (TV, INPUT 1, INPUT 2, INPUT 3, INPUT 4, INPUT 5, CARD)

24 **MENU**
Display the menu screen.

25 **▲/▼/◀/▶ (Cursor)**
Select a desired item on the setting screen.
ENTER
Execute a command.

26 **RETURN**
MENU mode: Return to the previous menu screen.

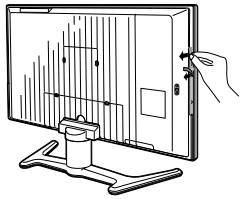
27 **Colour (RED/GREEN/YELLOW/BLUE)**
TELETEXT mode: Select a page.

Preparation

Attaching speakers

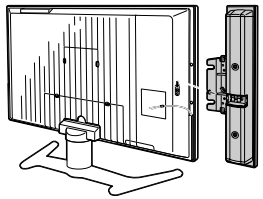
LC-37G2M

1



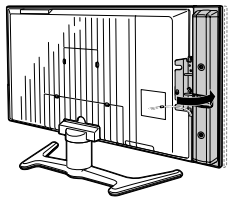
Peel off the tape holding the ends of the cables, and move cables towards behind the display.

2



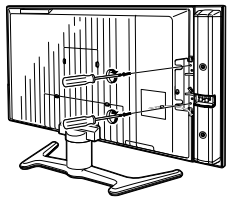
Hook the hole of the speaker to the screw of the Display.

3



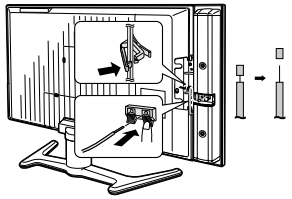
Turn the speaker to the front of the Display (direction of the arrow) and fit it to the screw hole.

4



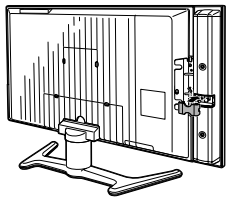
Fasten the screws.

5



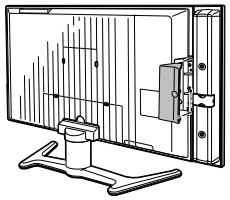
Fasten the speaker cable with the holder.
- Connect the ends of the cables to the speaker terminals as shown in the illustration.

6



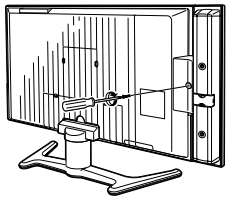
Fix the speaker terminal cover.

7



Align the nub of the bracket into the groove and fasten it.

8



Fasten the bracket with the screw.

NO

- Perform the same steps for right speaker.
- To remove the speakers, perform the steps in reverse order.

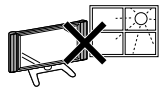
Where to place the System

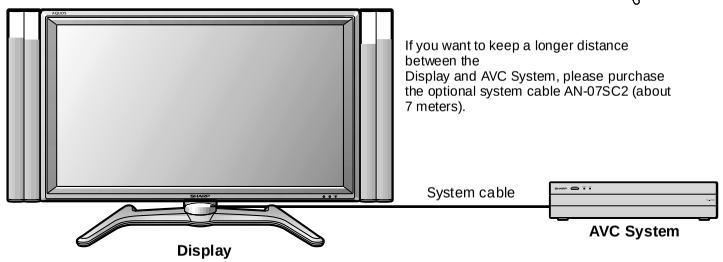
"System" means the Display and AVC System. First select the location where to place the System.

1

Selecting the location of the System

- Select a place with no direct sunlight and good ventilation.
- The Display and the AVC System are connected by the system cable.




If you want to keep a longer distance between the Display and AVC System, please purchase the optional system cable AN-07SC2 (about 7 meters).
System cable
AVC System
Display

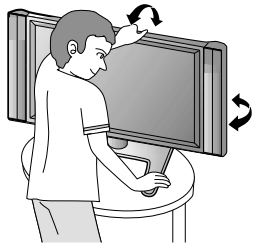
2

Setting the System in place

Handling the Display

CAUTION

- **When using the TV with the supplied stand attached, do not remove the speaker. Doing so may disturb the balance leading to product damage or personal injury.**
- Do not remove the stand and speaker from the Display unless using an optional bracket to mount it.
- Keep enough space above and behind the Display.
- The TV weighs about 22 kg (LC-32G2M) and 24 kg (LC-37G2M). Move it with two or more people.
- When you move the Display, hold the portion of the Display, not the speaker.



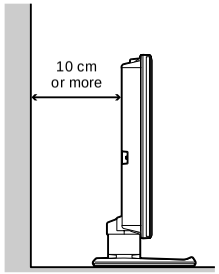
CAUTION

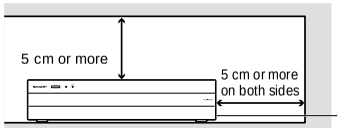
Adjust the screen with both hands. Put one hand on the Display and tilt the screen while steadying the stand with your other hand.
You can adjust the screen vertically up to 2 degrees forward or 6 degrees backward, or rotate 10 degrees horizontally.

Handling the AVC System

CAUTION

- Do not put a VCR or other device on the AVC System.
- Keep enough space above and on the sides of the AVC System.
- Do not block the ventilation openings on the top and left side, and the exhaust fan on the right side.
- Do not spread a thick cloth beneath the AVC System, or cover it with one, as this can cause overheating and result in malfunction.





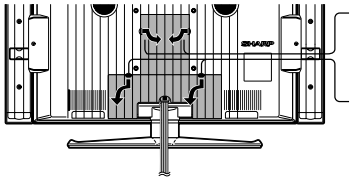
Preparation

Setting the System

After putting the Display and the AVC System in place, connect the system cables and AC cords. Use the cable clamps for bundling the cables.

1 Removing the terminal cover

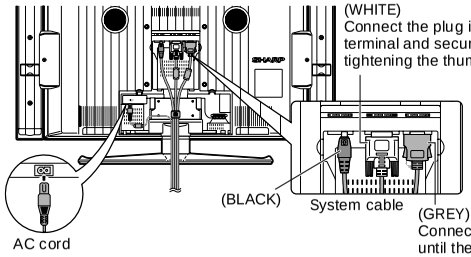
Display (rear view)



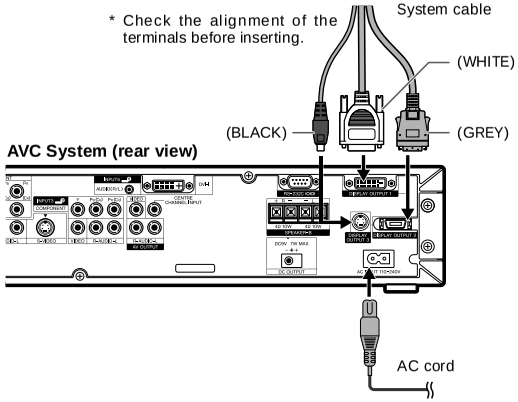
Press the two hooks toward the centre of the Display and remove the cover toward you.

Press down the two upper hooks to remove the cover toward you.

2 Connecting the system cable and the AC cord to the Display


(WHITE)
Connect the plug into the terminal and secure it by tightening the thumb screws.
(BLACK)
System cable
(GREY)
Connect the plug firmly until the hooks on both sides click.
AC cord

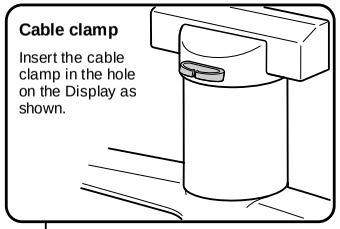
3 Connecting the system cable and the AC cord to the AVC System



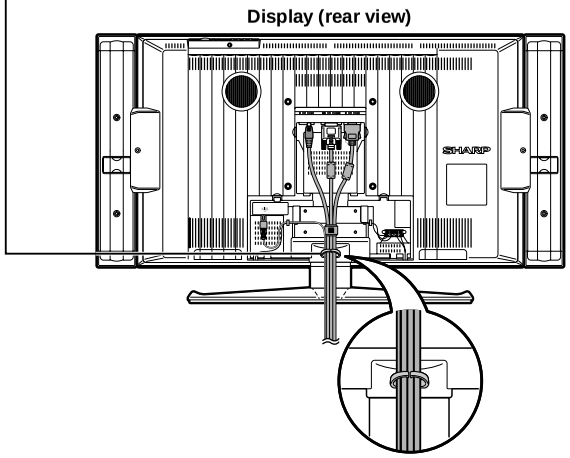
CAUTION

- **TO PREVENT RISK OF ELECTRIC SHOCK, DO NOT TOUCH UN-INSULATED PARTS OF ANY CABLES WITH THE AC CORD CONNECTED.**

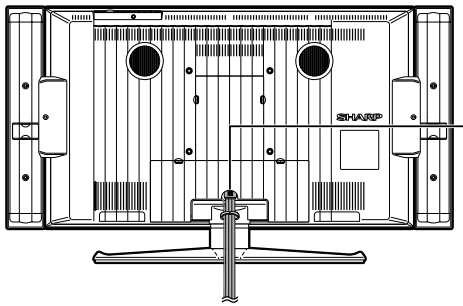
4 Attaching the clamp and bundling the cables with the clamp



Display (rear view)



5 Closing the terminal cover

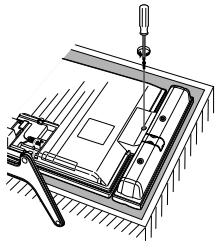


Preparation

Removing speakers

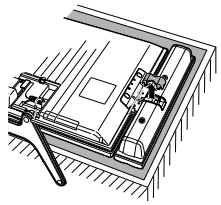
LC-32G2M

1



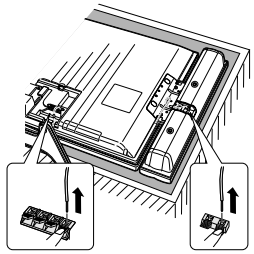
Unfasten the screw used to secure the speaker bracket.

2



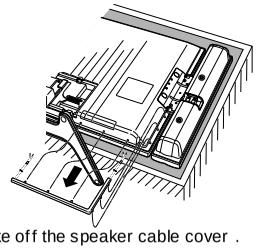
Take off the speaker terminal cover .

3



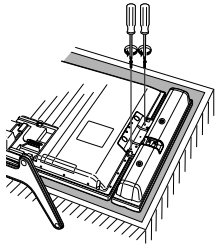
Disconnect the cable from the speaker .

4



Take off the speaker cable cover .

5



Unfasten the screws.

CAUTION

• Do not remove the stand and speaker from the Display unless using an optional bracket to mount it.

NOTE

• Perform the same steps for right speaker .
• To attach the speakers, perform the steps in reverse order.

Removing the stand

Before detaching (or attaching) stand, unplug the AC cord from the AC input and the system cable from the Display .

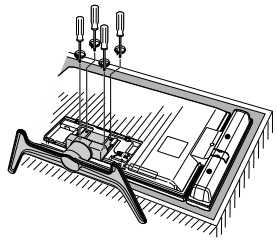
CAUTION

• **Do not remove the stand from the Display unless using an optional wall mount bracket to mount it.**

Before attaching/detaching stand

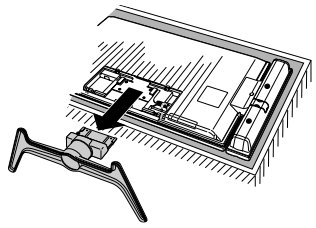
• Before performing work make sure to turn off the System.
• Before performing work spread cushioning over the base area to lay the Display on. This will prevent it from being damaged.

1



Unfasten the four screws used to secure the stand in place.

2



Detach the stand from the Display .
(Hold the stand so it will not drop from the edge of the base area.)

CAUTION

• Do not remove the stand and speaker from the Display unless using an optional bracket to mount it.

NOTE

• To attach the stand, perform the above steps in reverse order.

Setting the Display on the wall

CAUTION

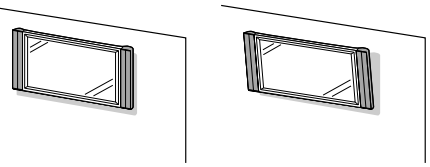
• **Installing the Liquid Crystal Television requires special skill that should only be performed by qualified service personnel. Customers should not attempt to do the work themselves. SHARP bears no responsibility for improper mounting or mounting that results in accident or injury.**

Using an optional bracket to mount the Display

• You can ask a qualified service personnel about using an optional AN-37AG2 bracket to mount the Display to the wall.
• Carefully read the instructions that come with the bracket before beginning work.

Hanging on the wall

AN-37AG2 wall mount bracket. 32/37 inch dual purpose brackets. (See the bracket instructions for details.)



Vertical mounting

Angular mounting

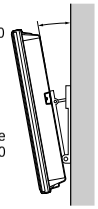
About setting the Display angle

LC-37G2M

• You can set the Display on the wall up to 5 degrees forward when the speakers are attached and up to 20 degrees forward when the speakers are not attached. Do not set the angle outside those ranges.

LC-32G2M

• You can set the Display on the wall up to 15 degrees forward when the speakers are attached and up to 20 degrees forward when the speakers are not attached. Do not set the angle outside those ranges.



Appendix

RS-232C port specifications

PC Control of the System

- When a program is set, the display can be controlled from the PC using the RS-232C terminal. The input signal (PC/video) can be selected, the volume can be adjusted and various other adjustments and settings can be made, enabling automatic programmed playing.

- Attach an RS-232C cable cross-type (commercially available) to the supplied Din/D-sub RS-232C for the connections.

NOTE

- This operation system should be used by a person who is accustomed to using PCs.

Communication conditions

Set the RS-232C communications settings on the PC to match the display's communications conditions. The display's communications settings are as follows:

Baud rate:	9,600 bps
Data length:	8 bits
Parity bit:	None
Stop bit:	1 bit
Flow control:	None

Communication procedure

Send the control commands from the PC via the RS-232C connector.
The Display operates according to the received command and sends a response message to the PC.
Do not send multiple commands at the same time. Wait until the PC receives the OK response before sending the next command.

Command format

Eight ASCII codes + CR

C1	C2	C3	C4	P1	P2	P3	P4	↵

Command 4-digits: Command. The text of four characters.
Parameter 4-digits: Parameter 0 – 9, space, ?

Command 4-digits — Parameter 4-digits — Return code

Parameter

Input the parameter values, aligning left, and fill with space (s) for the remainder. (Be sure that four values are input for the parameter.)
When the input parameter is not within an adjustable range, “ERR” returns. (Refer to “Response code format”.)

0			
0	0	0	9
—	3	0	
1	0	0	
0	0	5	5

When “?” is input for some commands, the present setting value responds.

?			
?	?	?	?

Response code format

Normal response

O	K	↵

Return code (0DH)

Problem response (communication error or incorrect command)

E	R	R	↵

Return code (0DH)

Commands

CONTROL ITEM	COMMAND	PARAMETER	CONTROL CONTENTS
POWER SETTING	POWR	0___	POWER OFF (STANDBY)
INPUT SELECTION A	ITGD	____	INPUT SWITCHING (TOGGLE)
	ITVD	____	TV (CHANNEL FIXED)
	IAVD	*___	INPUT1 – 5 (1 – 5)
	ICRD	____	CARD
CHANNEL	DCCH	**__	TV DIRECT CHANNEL (1 – 99)
	CHUP	____	CHANNEL UP
	CHDW	____	CHANNEL DOWN
INPUT SELECTION B	INP1	0___	INPUT1 (AUTO)
	INP1	1___	INPUT1 (COMPONENT)
	INP1	2___	INPUT1 (VIDEO)
	INP2	0___	INPUT2 (AUTO)
	INP2	1___	INPUT2 (S-VIDEO)
	INP2	2___	INPUT2 (VIDEO)
	INP3	0___	INPUT3 (AUTO)
	INP3	1___	INPUT3 (COMPONENT)
	INP3	2___	INPUT3 (VIDEO)
	INP4	0___	INPUT4 (AUTO)
	INP4	1___	INPUT4 (S-VIDEO)
	INP4	2___	INPUT4 (VIDEO)
	INP5	0___	PC DIGITAL
	INP5	1___	PC ANALOGUE
	INP5	2___	AV DIGITAL
	INP5	3___	AV ANALOGUE
AV MODE SELECTION	AVMD	0___	TOGGLE
	AVMD	1___	STANDARD
	AVMD	2___	MOVIE
	AVMD	3___	GAME
	AVMD	4___	USER
	AVMD	5___	DYNAMIC
VOLUME	VOLM	**__	VOLUME (0 – 60)

CONTROL ITEM	COMMAND	PARAMETER	CONTROL CONTENTS
POSITION	HPOS	****_	H-POSITION (AV) (–10 – +10)
	HPOS	****_	H-POSITION (PC) (0 – 180)
	VPOS	****_	V-POSITION (AV) (– 20 – +20)
	VPOS	****_	V-POSITION (PC) (0 – 100)
	CLCK	****_	CLOCK (0 – 180)
	PHSE	****_	PHASE (0 – 40)
WIDE MODE	WIDE	0___	TOGGLE (AV)
	WIDE	1___	NORMAL (AV)
	WIDE	2___	ZOOM 14:9 (AV)
	WIDE	3___	PANORAMA (AV)
	WIDE	4___	FULL (AV)
	WIDE	5___	CINEMA 16:9 (AV)
	WIDE	6___	CINEMA 14:9 (AV)
	WIDE	7___	NORMAL (PC)
	WIDE	8___	CINEMA (PC)
	WIDE	9___	FULL (PC)
	WIDE	10__	DOT BY DOT (PC)
MUTE	MUTE	0___	TOGGLE
	MUTE	1___	MUTE
	MUTE	2___	MUTE OFF
DOLBY VIRTUAL	ACDV	0___	TOGGLE
	ACDV	1___	ON
	ACDV	2___	OFF
DUAL SCREEN	TWIN	0___	DUAL SCREEN OFF
	TWIN	1___	DUAL SCREEN ON
AUDIO CHANGE	ACHA	____	TOGGLE
SLEEP TIMER	OFTM	0___	OFF
	OFTM	1___	SLEEP TIMER 30 MIN
	OFTM	2___	SLEEP TIMER 1 HOUR
	OFTM	3___	SLEEP TIMER 1 HOUR 30 MIN
	OFTM	4___	SLEEP TIMER 2 HOUR
	OFTM	5___	SLEEP TIMER 2 HOUR 30 MIN
TEXT	TEXT	0___	TEXT OFF
	TEXT	1___	TEXT ON (TOGGLE)
	DCPG	****_	DIRECT PAGE JUMP (100 – 899)

NOTE

- If an underbar (_) appears in the parameter column, enter a space.
- If an asterisk (*) appears, enter a value in the range indicated in brackets under CONTROL CONTENTS.

Basic adjustment settings

TV/AV input mode menu items

List of TV/AV menu items to help you with operations

Picture

- OPC
- Backlight
- Contrast
- Brightness
- Colour
- Tint
- Sharpness
- Advanced
  - C.M.S.
  - Colour Temp
  - Black
  - 3D-Y/C
  - Monochrome
  - Film Mode
  - I/P Setting

Audio

- Treble
- Bass
- Balance
- Dolby Virtual

Power Control

- No Signal Off
- No Operation Off

Setup

- Auto Installation
- Programme Setup
- Child Lock
- Input Label
- Speaker Setup
- Position
- WSS
- 4:3 Mode
- Rotate
- Language
- Text Language

Option

- Audio Only
- DNR
- Input Select
- Audio Out
- Quick Shoot
- Colour System
- Centre Channel Input

PC input mode menu items

List of PC menu items to help you with operations

Picture

- OPC
- Backlight
- Contrast
- Brightness
- Red
- Green
- Blue
- Advanced
  - C.M.S.

Audio

- Treble
- Bass
- Balance
- Dolby Virtual

Power Control

- Power Management

Setup

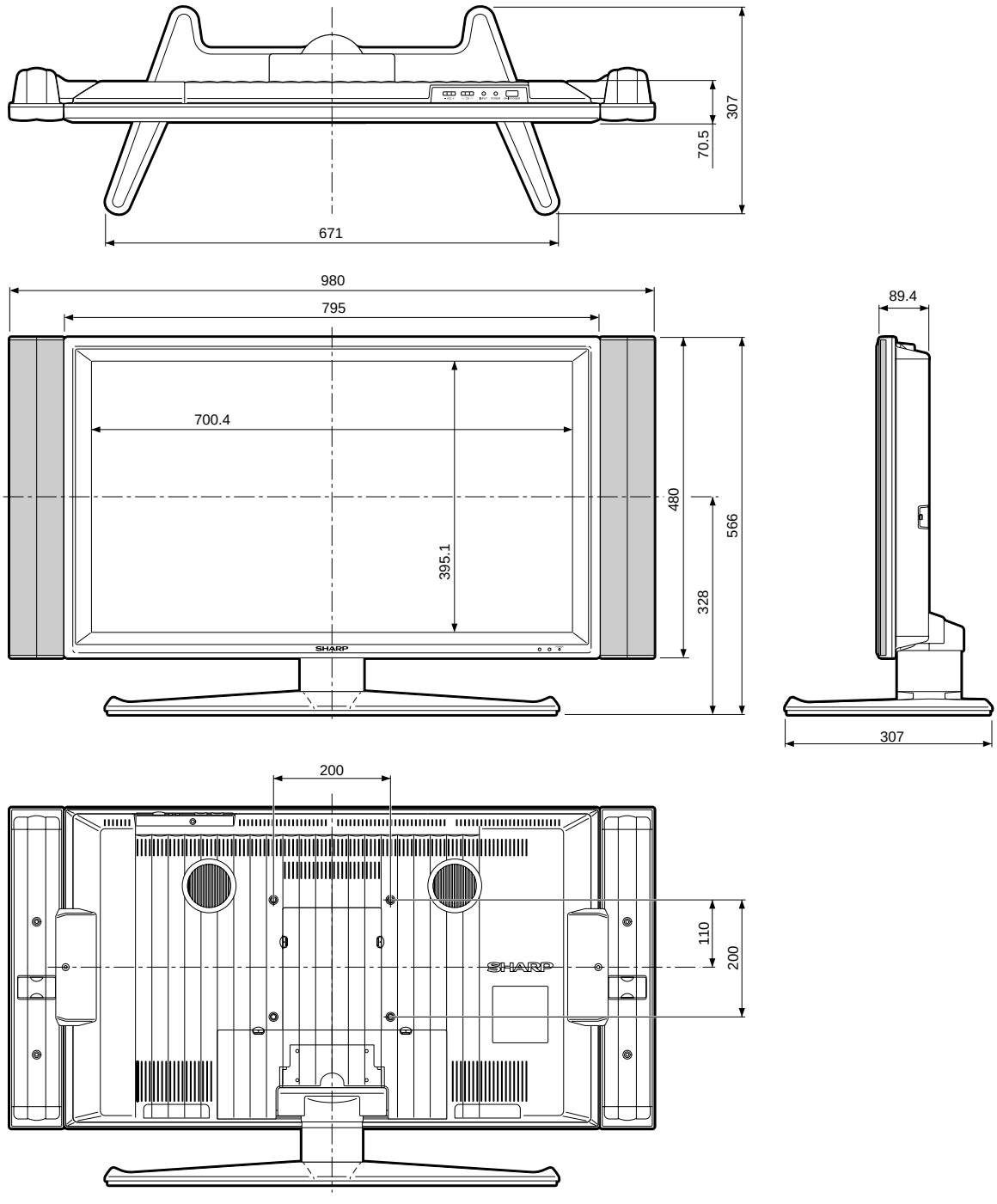
- Input Label
- Speaker Setup
- Input Signal
- Auto Sync.
- Fine Sync.
- Rotate
- Language

Option

- Audio Only
- Input Select
- Audio Out
- Quick Shoot
- Centre Channel Input

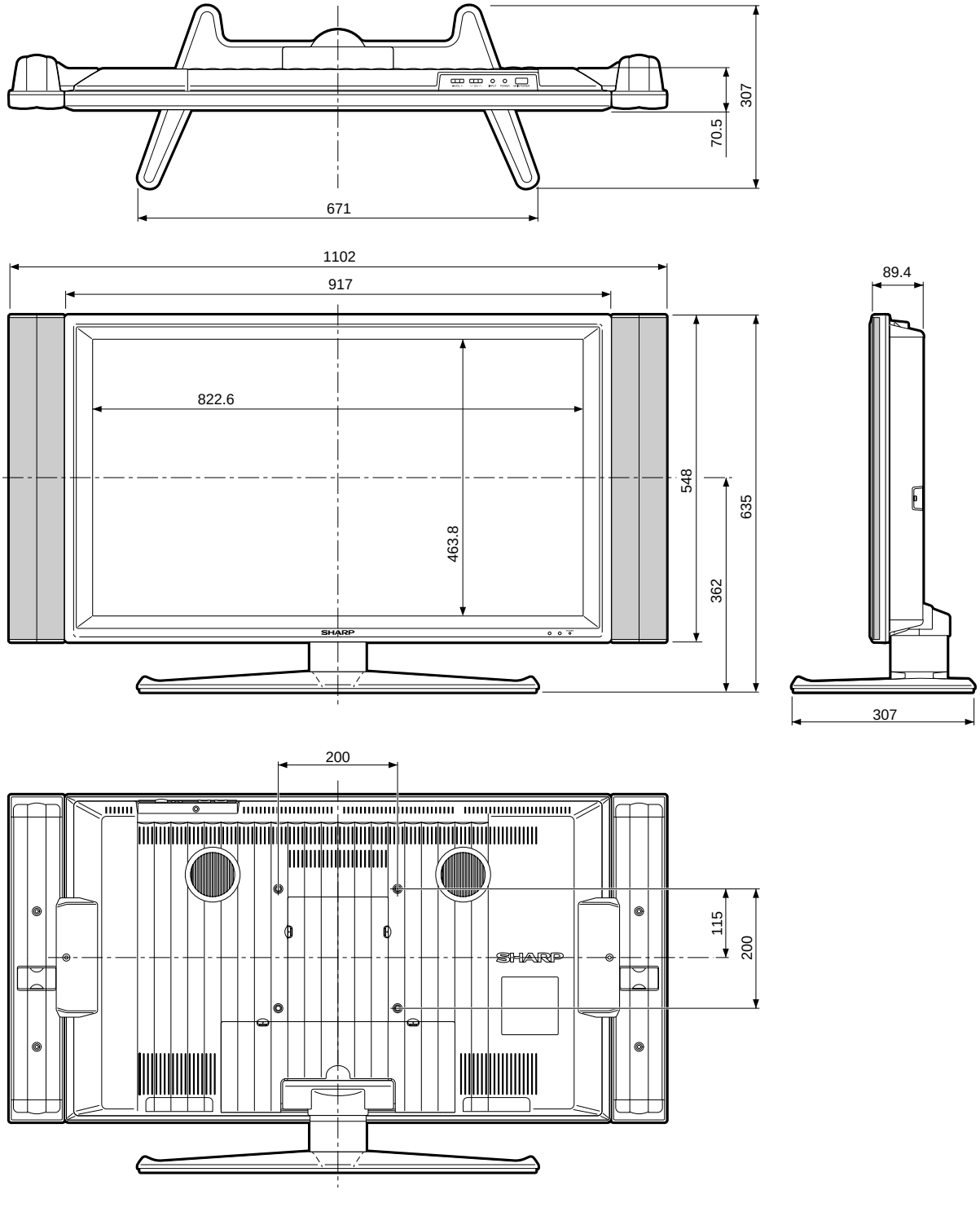
DIMENSIONS (LC-32G2M/X/H)

Unit: mm



DIMENSIONS (LC-37G2M/X/H)

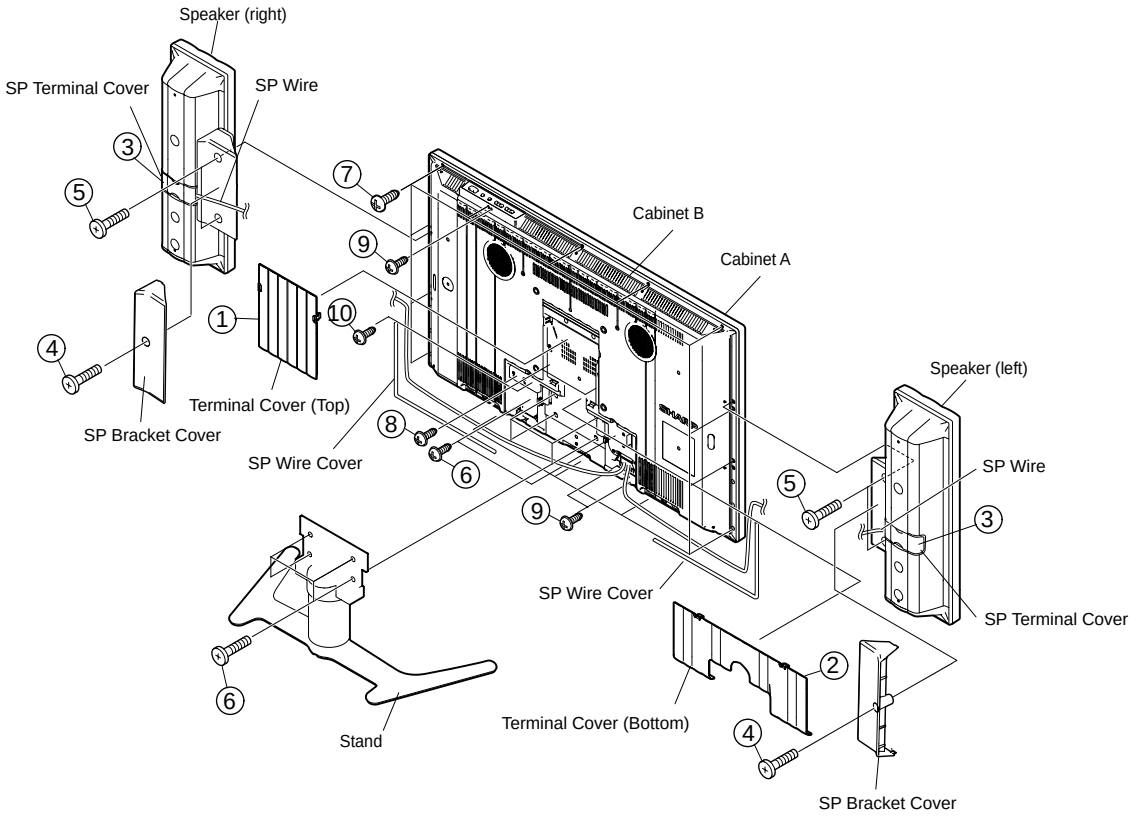
Unit: mm



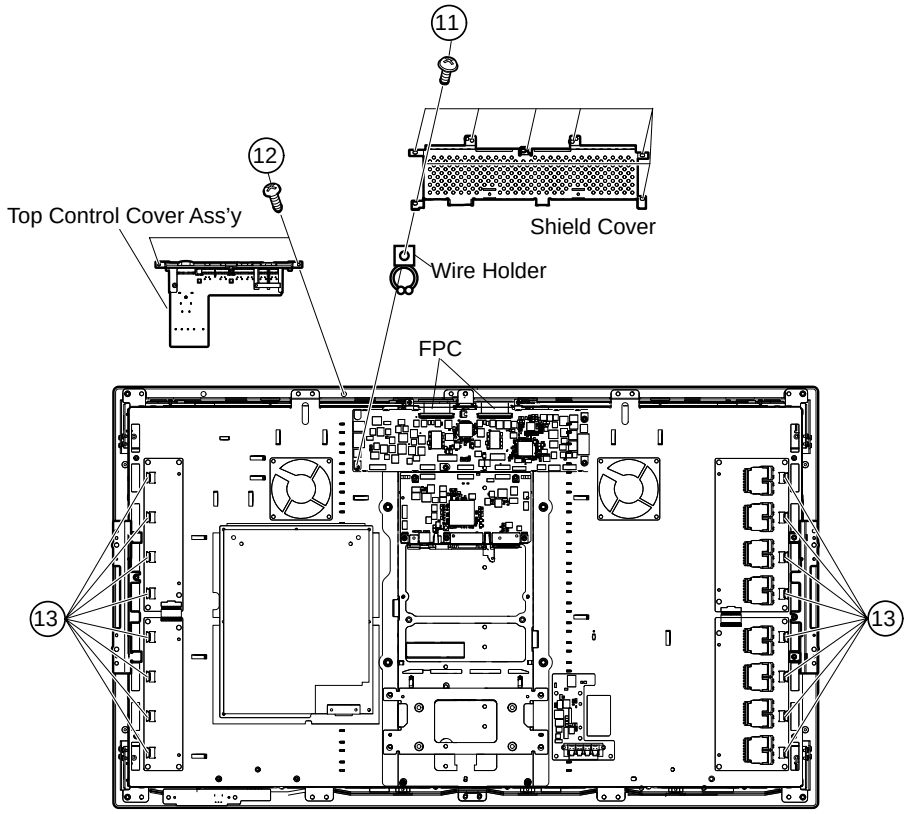
REMOVING OF MAJOR PARTS

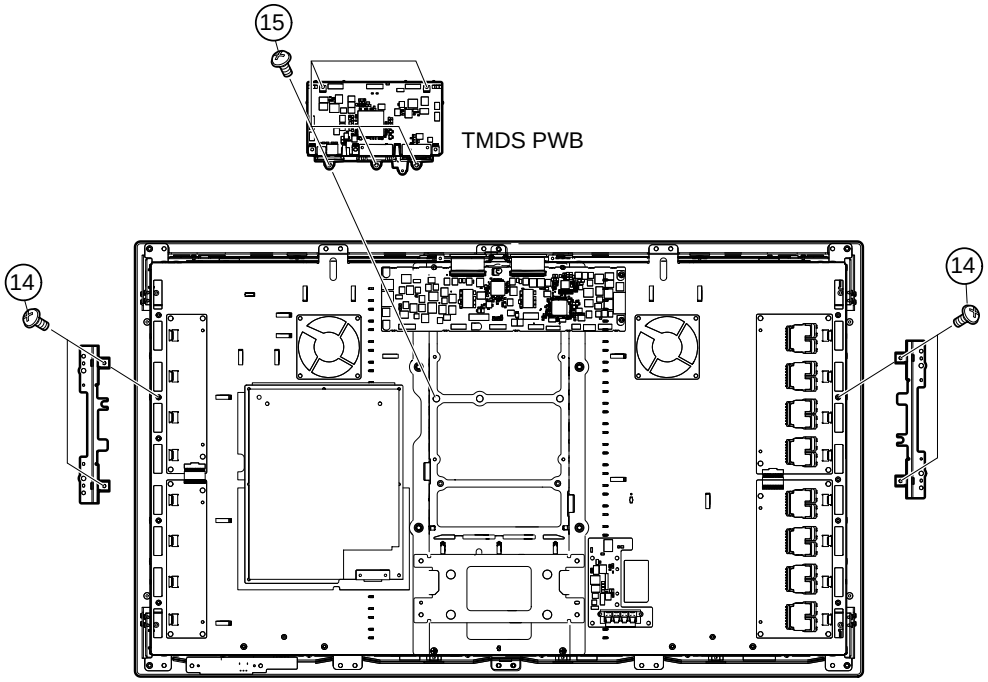
■ LC-32G2M/X/H

1. Remove the Terminal Covers ①② .
2. Remove the SP Terminal Rubber Covers ③ and detach the SP Wires.
3. Remove 2 screws for fixing the SP Bracket Cover ④ and detach the SP Bracket Covers.
4. Remove 6 screws for fixing the Speaker ⑤ and detach the Speakers.
5. Remove 4 screws for fixing the Stand ⑥and detach the Stand.
6. Remove the SP Wire Covers.
7. Remove 20 screws for fixing the cabinet
   (⑦: 13 pcs., ⑧: 2 pcs., ⑨: 3 pcs., ⑩: 2 pcs.),
   and detach the Cabinet B.

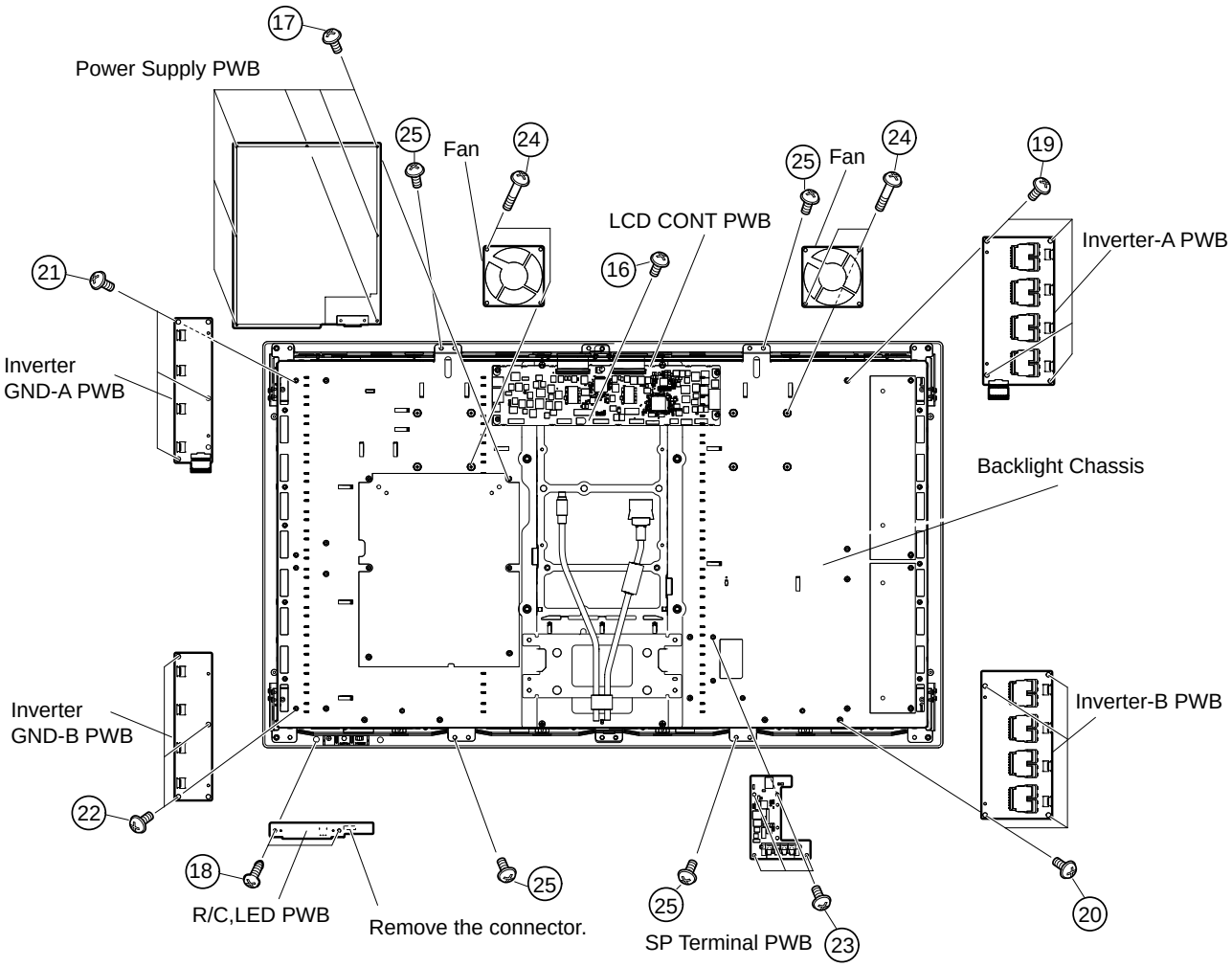


8. Remove 7 screws for fixing shield cover ⑪ and detach the Shield cover and Wire Holder.
9. Remove 2 screws for fixing the top control cover ass'y ⑫.
10. Remove 2 FPC connecting the LCD panel and LCD controller unit.
11. Remove 16 connectors ⑬ from the lamps.
12. Remove 4 screws for fixing the Speaker Angle ⑭.
13. Remove 5 screws for fixing the TMDS PWB ⑮.

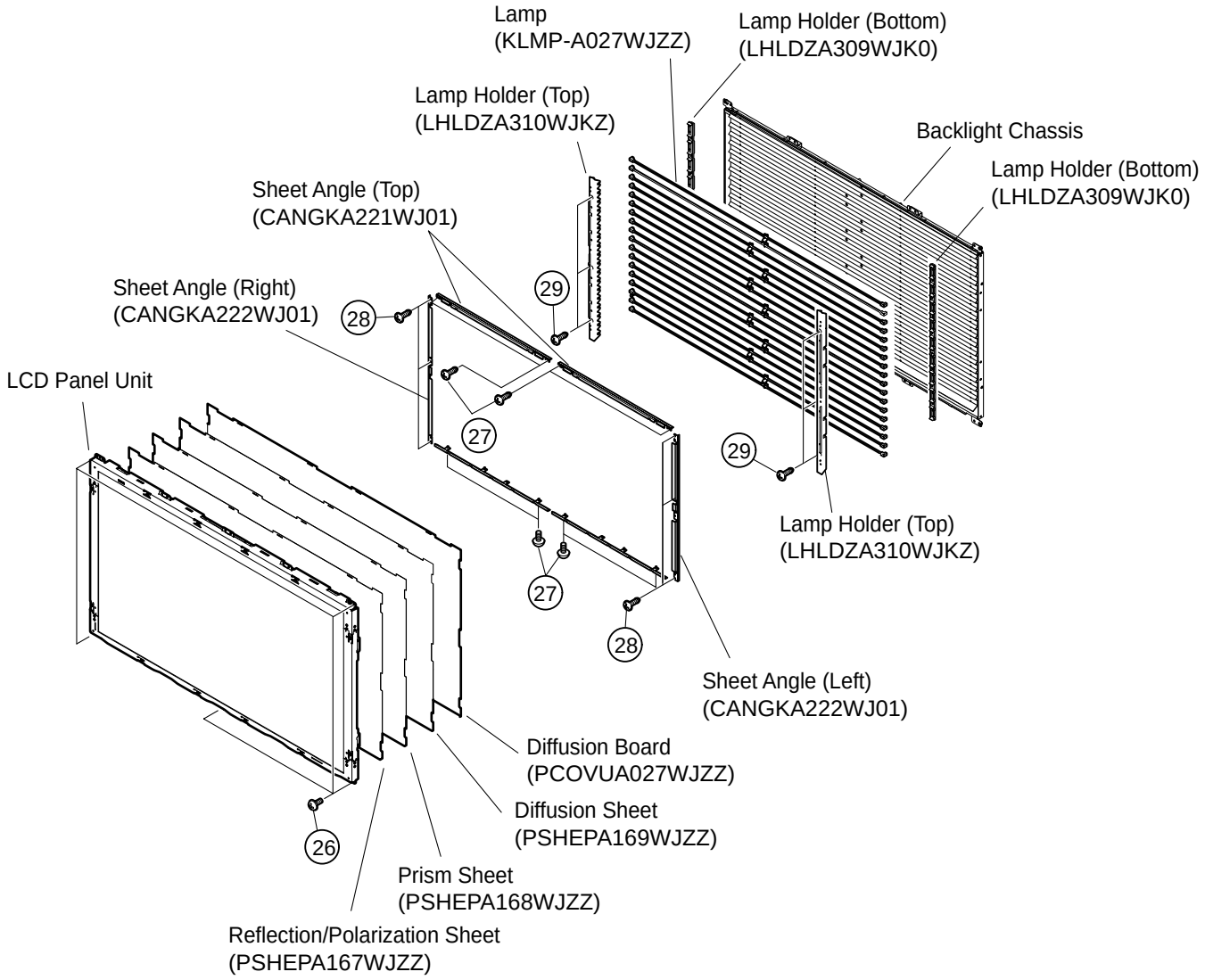




14. Remove the screw for fixing the LCD controller PWB ⑯ to detach the LCD controller PWB.
15. Remove 6 screws for fixing the Power Supply PWB ⑰ to detach the Power Supply PWB.
16. Remove 2 screws for fixing the R/C LED PWB ⑱ to detach the R/C LED PWB.
17. Remove 4 screws for fixing the Inverter A PWB ⑲ to detach the inverter A PWB.
18. Remove 4 screws for fixing the Inverter B PWB ⑳ to detach the inverter B PWB.
19. Remove 3 screws for fixing the Inverter GND-A PWB ㉑ to detach the inverter GND-A PWB.
20. Remove 3 screws for fixing the Inverter GND-B PWB ㉒ to detach the inverter GND-B PWB.
21. Remove 4 EXT SP terminal unit fixing screws ㉓ to detach the EXT SP terminal unit.
22. Remove 2 screws for fixing the Fan ㉔ to detach the Fan.
23. Remove 4 screws for fixing the Chassis ㉕ to detach the Backlight Chassis from the Cabinet A.

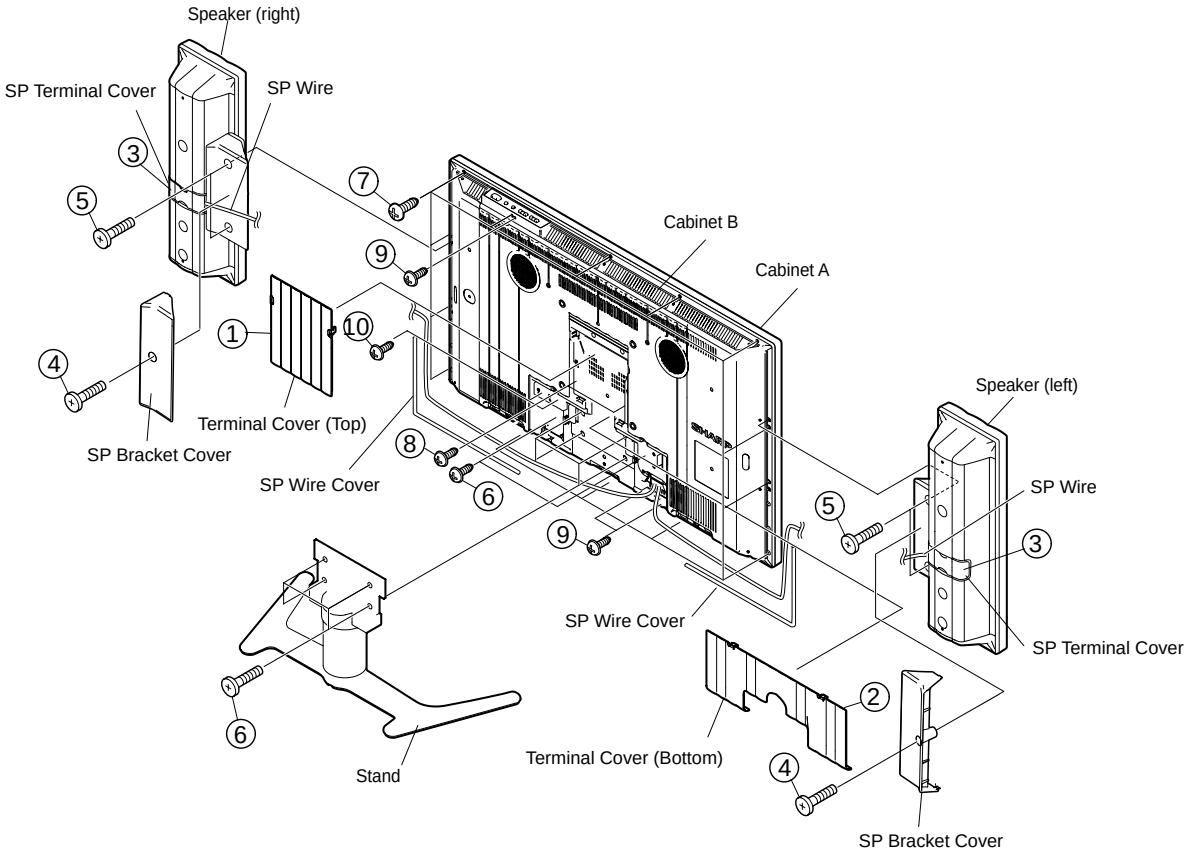


24. Remove 5 screws for fixing the LCD Panel Unit ㉖ to detach the LCD Panel Unit.
25. Remove 14 screws for fixing the sheet angle (㉗: 8 pcs., ㉘: 6 pcs.), to detach the sheet angle.
26. Remove the Reflection/Polarization Sheet, Prism Sheet, Diffusion Sheet, and Diffusion Board.
27. Remove 6 screws for fixing the Lamp Holder (upper) ㉙ to detach the Lamp Holder (upper).

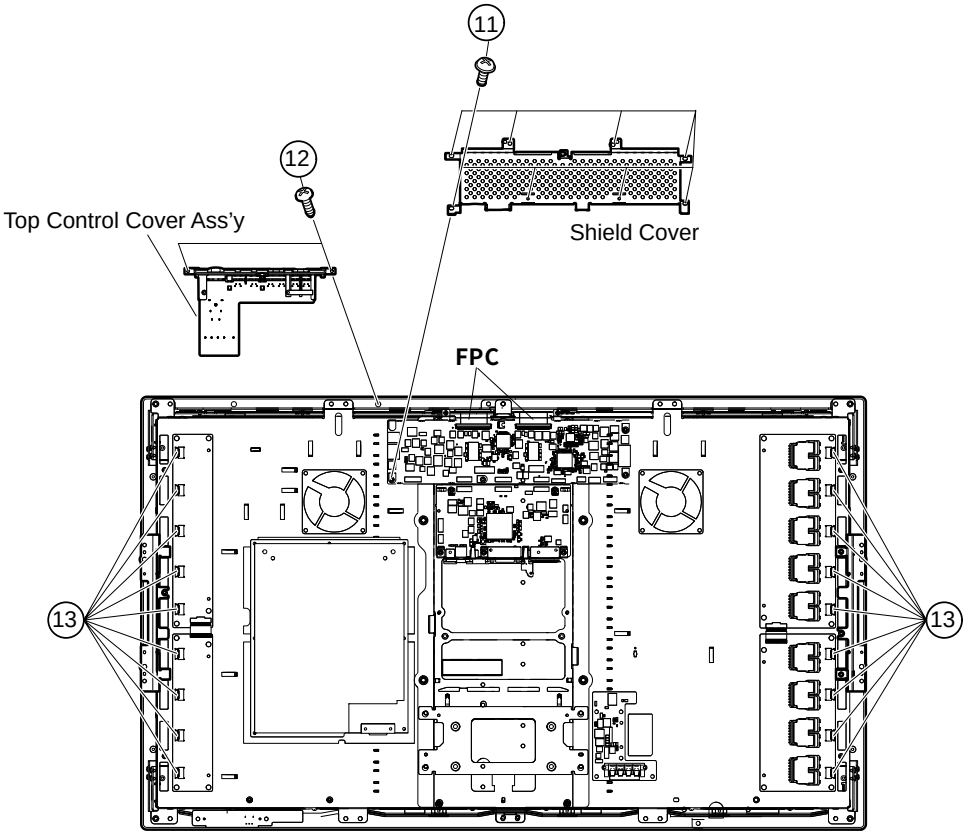


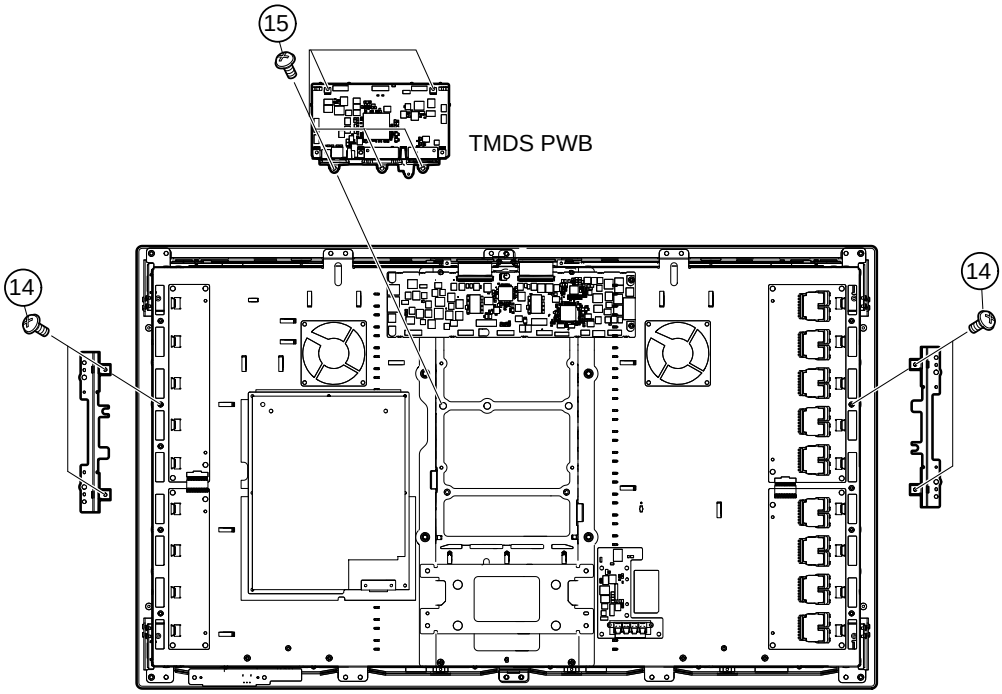
■ LC-37G2M/X/H

1. Remove the Terminal Covers ①② .
2. Remove the SP Terminal Rubber Covers ③ and detach the SP Wires.
3. Remove 2 screws for fixing the SP Bracket Cover ④ and detach the SP Bracket Covers.
4. Remove 4 screws for fixing the Speaker ⑤ and detach the Speakers.
5. Remove 4 screws for fixing the Stand ⑥and detach the Stand.
6. Remove the SP Wire Covers.
7. Remove 20 screws for fixing the cabinet
   (⑦: 13 pcs., ⑧: 2 pcs., ⑨: 3 pcs., ⑩: 2 pcs.),
   and detach the Cabinet B.

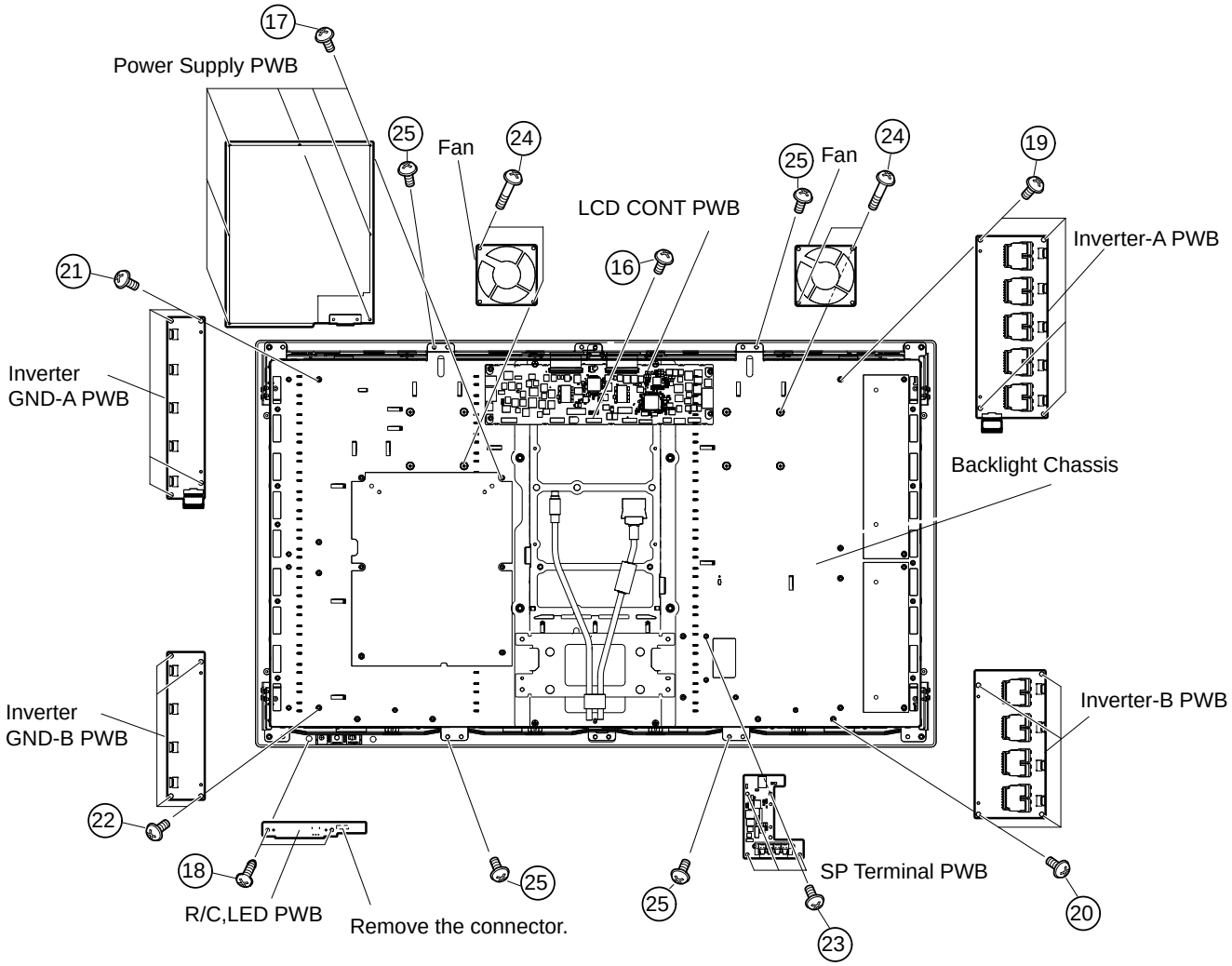


8. Remove 8 screws for fixing shield cover ⑪ and detach the Shield cover and Wire Holder.
9. Remove 2 screws for fixing the top control cover ass'y ⑫.
10. Remove 2 FPC connecting the LCD panel and LCD controller unit.
11. Remove 18 connectors ⑬ from the lamps.
12. Remove 4 screws for fixing the Speaker Angle ⑭.
13. Remove 5 screws for fixing the TMDS PWB ⑮.

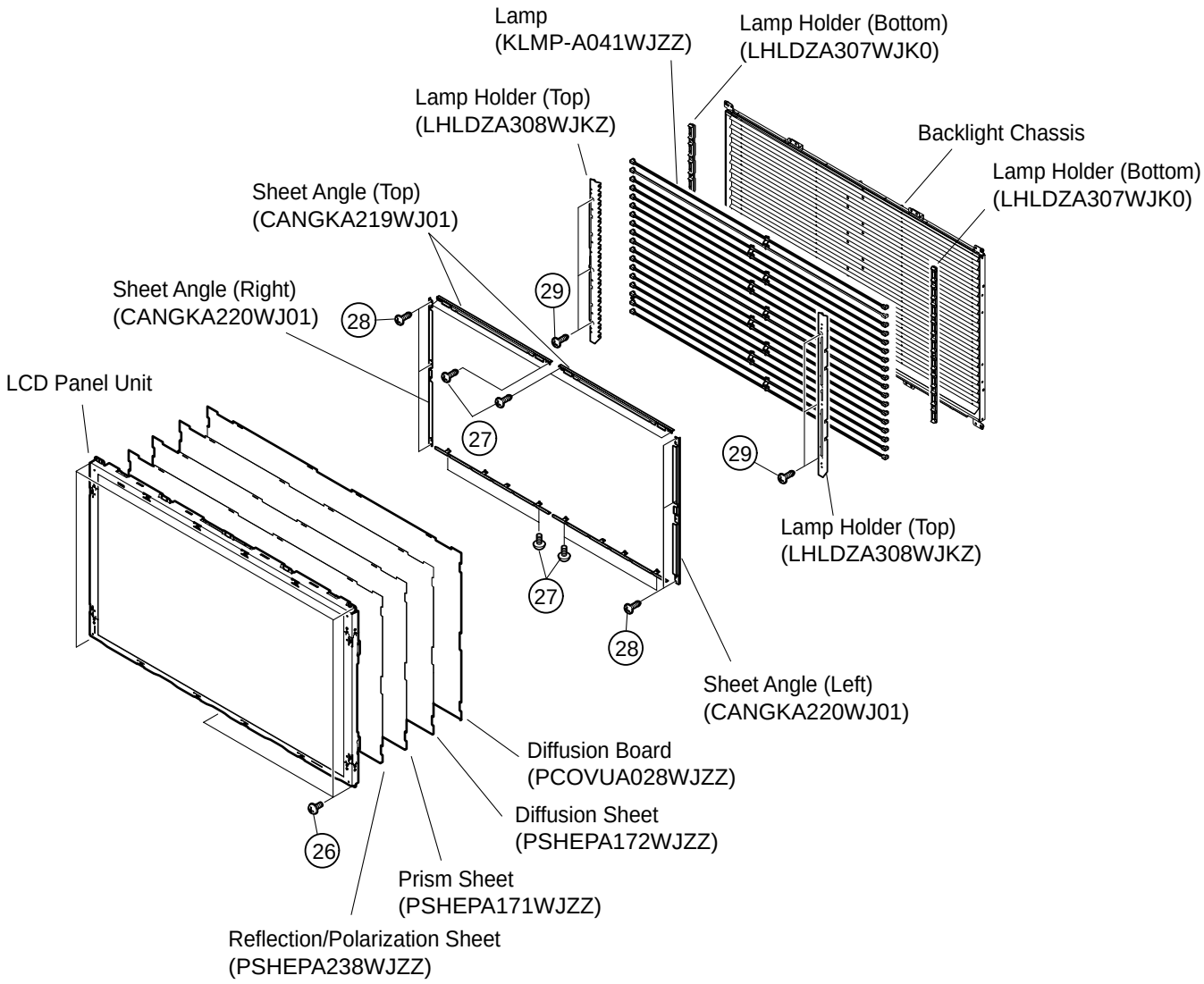




14. Remove the screw for fixing the LCD controller PWB ⑯ to detach the LCD controller PWB.
15. Remove 6 screws for fixing the Power Supply PWB ⑰ to detach the Power Supply PWB.
16. Remove 2 screws for fixing the R/C LED PWB ⑱ to detach the R/C LED PWB.
17. Remove 4 screws for fixing the Inverter A PWB ⑲ to detach the inverter A PWB.
18. Remove 4 screws for fixing the Inverter B PWB ⑳ to detach the inverter B PWB.
19. Remove 4 screws for fixing the Inverter GND-A PWB ㉑ to detach the inverter GND-A PWB.
20. Remove 4 screws for fixing the Inverter GND-B PWB ㉒ to detach the inverter GND-B PWB.
21. Remove 4 EXT SP terminal unit fixing screws ㉓ to detach the EXT SP terminal unit.
22. Remove 2 screws for fixing the Fan ㉔ to detach the Fan.
23. Remove 4 screws for fixing the Chassis ㉕ to detach the Backlight Chassis from the Cabinet A.



24. Remove 5 screws for fixing the LCD Panel Unit ㉖ to detach the LCD Panel Unit.
25. Remove 14 screws for fixing the sheet angle (㉗: 8 pcs., ㉘: 6 pcs.), to detach the sheet angle.
26. Remove the Reflection/Polarization Sheet, Prism Sheet, Diffusion Sheet, and Diffusion Board.
27. Remove 6 screws for fixing the Lamp Holder (upper) ㉙ to detach the Lamp Holder (upper).



PARTS LIST

PARTS REPLACEMENT

Replacement parts which have these special safety characteristics identified in this manual; electrical components having such features are identified by ⚠ and shaded areas in the Replacement Parts Lists and Schematic Diagrams. The use of a substitute replacement part which dose no have the same safety characteristic as the factory recommended replacement parts shown in this service manual may create shock, fire or other hazards.

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following informations.

1. MODEL NUMBER
2. REF. NO.
3. PART NO.
4. DESCRIPTION

in **USA**: Contact your nearest SHARP Parts Distributor to order. For location of SHARP Parts Distributor, Please call Toll-Free; 1-800-BE-SHARP

LISTE DES PIECES

CHANGE DES PIECES

Les pi`eces de rechange qui pr élelesentent ces caract éleristiques sp éleciales de s élecurit éle, sont identifi élees dans ce manuel : lespi`eces élelectriques qui pr élesentent ces particularit éles, sont rep éler élee par la marque ⚠et sont hachur élees dans les listes de pi`eces et dans les diagrammes sch élematiques.
La substitution d'une pi`ece de rechange par une autre qui ne pr éLesente pas les m éoemes caract éLeristiques de s élecurit éle que la pi`ece recommand élee parl'usine et dans ce manuel de service, peut provoquer une éLelectrocution, un incendie ou toutautre sinistre.

"COMMENT COMMANDER LES PIECES DE RECHANGE"

Pour que votre commande soit rapidement et correctement remplie, veuillez fournir les renseignements suivants.

1. NUMERO DU MODELE
2. NO. DE REF
3. NO. DE PIECE
4. DESCRIPTION

in **CANADA**: Contact SHARP Electronics of Canada Limited Phone (416) 890-2100

★ MARK: SPARE PARTS-DELIVERY SECTION

PRINTED WIRING BOARD ASSEMBLIES
(NOT REPLACEMENT ITEM)

LC-32G2M/X/H

Ref. No.	Part No.	★	Description	Code
	DUNTKC268VJ49	–	LCD CONTROL Unit (LC-32G2M)	—
	DUNTKC268VJ50	–	LCD CONTROL Unit (LC-32G2X)	—
	DUNTKC268VJ51	–	LCD CONTROL Unit (LC-32G2H)	—
	DKEYHC269VJ25	–	TMDS Unit (LC-32G2M)	—
	DKEYHC269VJ26	–	TMDS Unit (LC-32G2X)	—
	DKEYHC269VJ27	–	TMDS Unit (LC-32G2H)	—
	DUNTKC274UJ04	–	KEY Unit (LC-32G2M)	—
	DUNTKC274UJ05	–	KEY Unit (LC-32G2X)	—
	DUNTKC274UJ06	–	KEY Unit (LC-32G2H)	—
	DUNTKC275UJ04	–	R/C LED Unit (LC-32G2M)	—
	DUNTKC275UJ05	–	R/C LED Unit (LC-32G2X)	—
	DUNTKC275UJ06	–	R/C LED Unit (LC-32G2H)	—
	DUNTKC276UJ04	–	EXT-SP Unit (LC-32G2M)	—
	DUNTKC276UJ05	–	EXT-SP Unit (LC-32G2X)	—
	DUNTKC276UJ06	–	EXT-SP Unit (LC-32G2H)	—
	RDENCA081WJZZ	J	POWER Unit (LC-32G2M)	
	RDENCA059WJZZ	J	POWER Unit (LC-32G2X) (LC-32G2H)	BZ
	RUNTKA069WJZZ	–	INVERTER-A Unit	—
	RUNTKA070WJZZ	–	INVERTER-B Unit	—
	RUNTKA071WJZZ	–	INVERTER-A-GND Unit	—
	RUNTKA072WJZZ	–	INVERTER-B-GND Unit	—

LC-37G2M/X/H

Ref. No.	Part No.	★	Description	Code
	DUNTKC268VJ56	–	LCD CONTROL Unit (LC-37G2M)	—
	DUNTKC268VJ57	–	LCD CONTROL Unit (LC-37G2X)	—
	DUNTKC268VJ58	–	LCD CONTROL Unit (LC-37G2H)	—
	DKEYHC269VJ31	–	TMDS Unit (LC-37G2M)	—
	DKEYHC269VJ32	–	TMDS Unit (LC-37G2X)	—
	DKEYHC269VJ33	–	TMDS Unit (LC-37G2H)	—
	DUNTKC274UJ04	–	KEY Unit (LC-37G2M)	—
	DUNTKC274UJ05	–	KEY Unit (LC-37G2X)	—
	DUNTKC274UJ06	–	KEY Unit (LC-37G2H)	—
	DUNTKC275UJ04	–	R/C LED Unit (LC-37G2M)	—
	DUNTKC275UJ05	–	R/C LED Unit (LC-37G2X)	—
	DUNTKC275UJ06	–	R/C LED Unit (LC-37G2H)	—
	DUNTKC276UJ04	–	EXT-SP Unit (LC-37G2M)	—
	DUNTKC276UJ05	–	EXT-SP Unit (LC-37G2X)	—
	DUNTKC276UJ06	–	EXT-SP Unit (LC-37G2H)	—
	RDENCA081WJZZ	J	POWER Unit (LC-37G2M)	
	RDENCA059WJZZ	J	POWER Unit (LC-37G2X) (LC-37G2H)	BZ
	RUNTKA080WJZZ	–	INVERTER-A Unit	—
	RUNTKA081WJZZ	–	INVERTER-B Unit	—
	RUNTKA082WJZZ	–	INVERTER-A-GND Unit	—
	RUNTKA083WJZZ	–	INVERTER-B-GND Unit	—

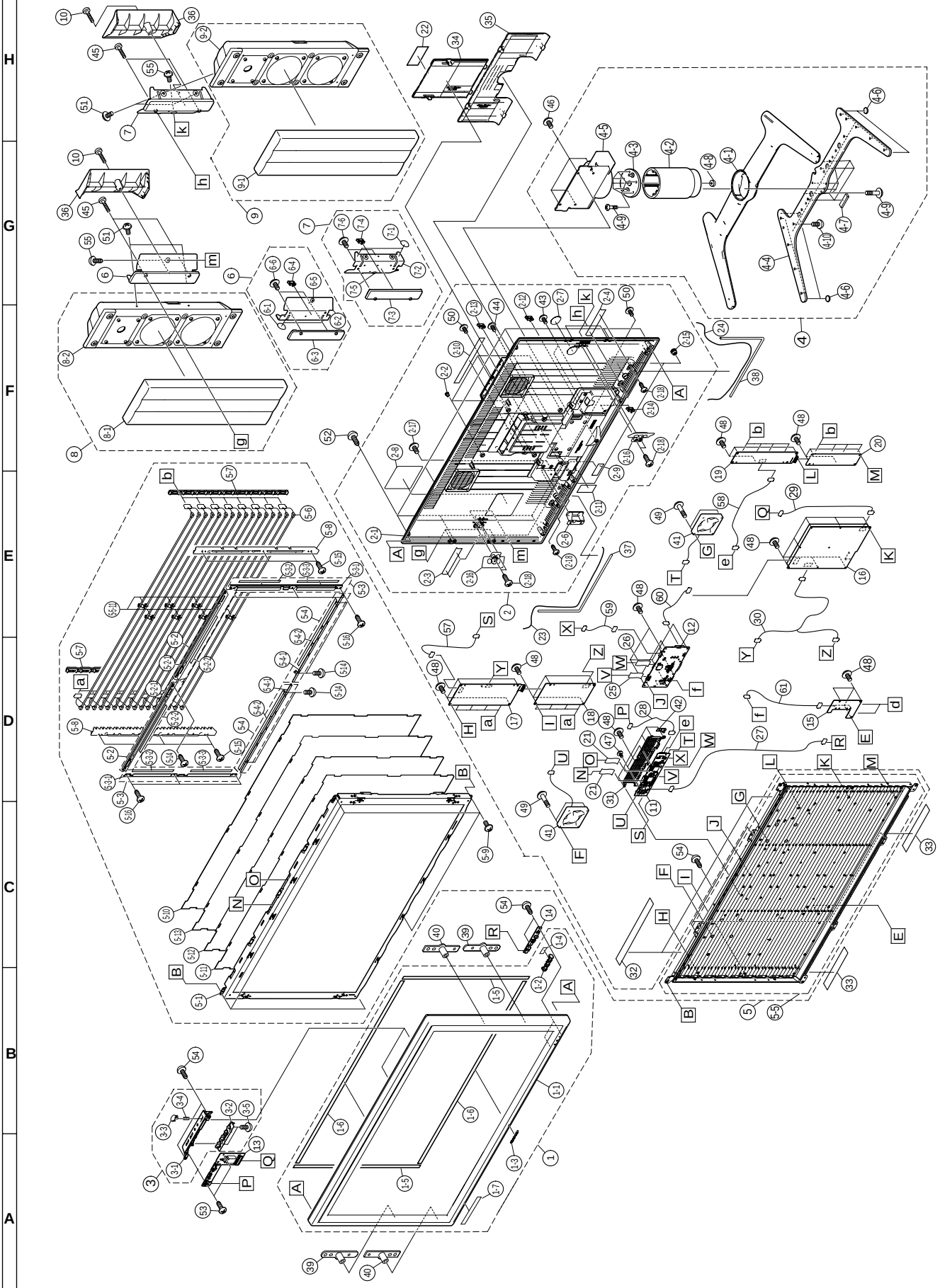
CABINET AND MECHANICAL PARTS
(LC-32G2M/X/H)

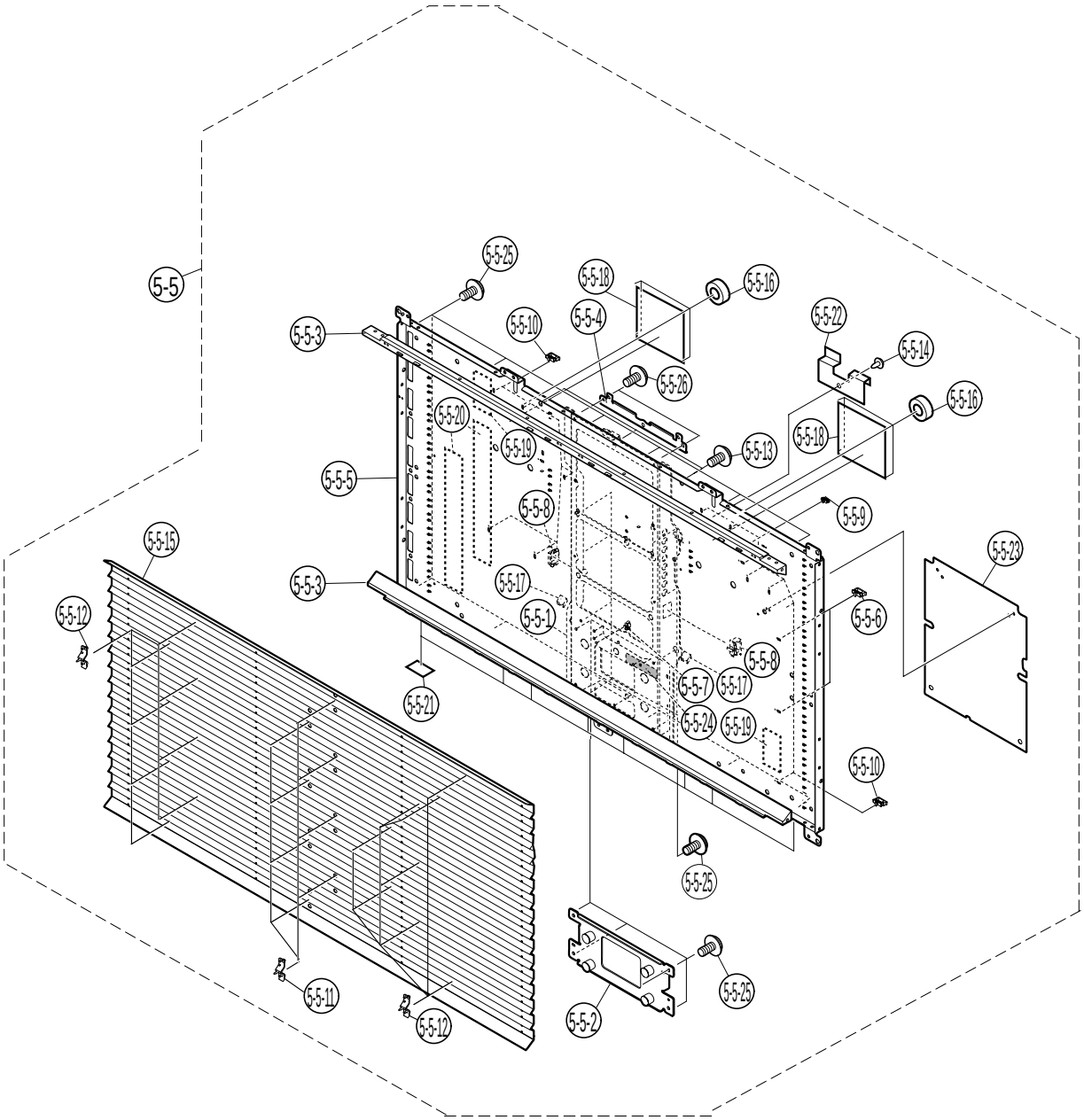
Ref. No.	Part No.	★	Description	Code
1	CCABAA513WJ03	J	Front Cabinet Ass'y	
1-1	*Not Available*	–	Front Cabinet	—
1-2	GCOVAA677WJSA	J	R/C LED Cover	AF
1-3	HBDGBA037WJSA	J	Badge, "SHARP"	AM
1-4	PSPAGA188WJZZ	J	Mask Spacer, x2	AA
1-5	PSPAHA298WJZZ	J	Mask Spacer, x2	AC
1-6	PSPAHA299WJZZ	J	Mask Spacer, x2	AC
2	CCABBA358WJ06	J	Rear Cabinet Ass'y (LC-32G2M)	
2	CCABBA447WJ01	J	Rear Cabinet Ass'y (LC-32G2X)	
2	CCABBA444WJ02	J	Rear Cabinet Ass'y (LC-32G2H)	
2-1	*Not Available*	–	Rear Cabinet	—
2-2	GCOVAA454WJKD	J	Hole Cover, x4	AC
2-3	GCOVAA758WJKB	J	Hole Cover (L)	AG
2-4	GCOVAA759WJKB	J	Hole Cover (R)	AG
2-5	GCOVAA784WJKA	J	SP Cover	AE
2-6	HiNDP5733CESB	J	AQUOS Label	AD
2-7	HiNDPA754WJSA	J	Speaker Terminal Indicator	AD
2-8	HiNDPA786WJSA	J	Indicator	AE
2-9	HiNDPA834WJSA	J	Hole Cover Indicator	AD
2-10	HiNDPA988WJSA	J	Model Label (LC-32G2M)	
2-10	HiNDPA989WJSA	J	Model Label (LC-32G2X)	
2-10	HiNDPA990WJSA	J	Model Label (LC-32G2H)	
2-11	LHLDWA043WJKZ	J	Holder	AB
2-12	LHLDWA044WJKZ	J	Holder	AB
2-13	LHLDWA048WJKZ	J	Holder	AB
2-14	LHLDZA349WJZZ	J	Holder, x2	AG
2-15	PSPAGA172WJZZ	J	Spacer, x4	AA
2-16	XEBS930P08000	J	Screw, x2	AA
2-17	XEBSN30P10000	J	Screw, x8	AA
3	CCOVAA906WJ01	J	Top Control Cover Ass'y	AR
3-1	*Not Available*	–	Top Control Cover	—
3-2	JBTN-A253WJKC	J	Control Button	AH
3-3	JBTN-A254WJKC	J	Power Button	AG
3-4	MSPRCA015WJFW	J	Power Button Spring	AB
3-5	XEBSN30P08000	J	Screw, x2	AA
4	CDAi-A105WJ08	J	Stand Ass'y	
4-1	*Not Available*	–	Stand Base	—
4-2	GDAi-A116WJSC	J	Stand, Support	AZ
4-3	GDAi-A117WJF8	J	Swivel Base	AP
4-4	LANGKA218WJSA	J	Base Angle	BF
4-5	MHNG-A073WJSC	J	Hinge	BK
4-6	PSPAZA476WJZZ	J	Spacer, x4	AC
4-7	PSPAZA477WJZZ	J	Spacer, x4	AD
4-8	LX-NZA013WJFN	J	Nut	AE
4-9	XCSS940P25000	J	Screw, x10	AB
4-10	XEBS940P10000	J	Screw, x12	AB
5	*Not Available*	–	32 WIDE LCD PANEL Unit Ass'y	—
5-1	RLCDTA028WJZZ	J	32 WIDE LCD PANEL Unit	
5-2	CANGKA221WJ01	J	Sheet Angle Ass'y (Top), x2	
5-2-1	*Not Available*	–	Sheet Angle, x2	—
5-2-2	PSPAKA049WJKZ	J	Spacer, x2	AC
5-3	CANGKA222WJ01	J	Sheet Angle Ass'y (Side), x2	—
5-3-1	*Not Available*	–	Sheet Angle, x2	—
5-3-2	PSPAKA042WJKZ	J	Spacer, x2	AC
5-3-3	PSPAKA048WJKZ	J	Spacer, x2	AC
5-4	CANGKA241WJ01	J	Sheet Angle Ass'y (Bottom), x2	
5-4-1	*Not Available*	–	Sheet Angle, x2	—
5-4-2	PSPAKA041WJKZ	J	Spacer, x2	AC
5-5	CCHSMA097WJ01	J	Chassis Ass'y	BZ
5-5-1	LANGKA228WJZZ	J	Chassis Angle	AZ
5-5-2	LANGKA230WJFW		Stand Angle	
5-5-3	LANGKA242WJFW	J	Fixing Metal, x2	AL
5-5-4	LANGKA262WJFW	J	Fixing Metal	AE
5-5-5	*Not Available*	–	Chassis	—
5-5-6	LHLDWA029WJKZ	J	Wire Holder, x2	AC
5-5-7	LHLDWA031WJKZ	J	Wire Holder, x6	AC
5-5-8	LHLDWA039WJKZ	J	Wire Holder, x2	AD
5-5-9	LHLDWA041WJKZ	J	Wire Holder	AC
5-5-10	LHLDWA046WJKZ	J	Wire Holder, x10 (LC-32G2M) (LC-32G2H)	AC
5-5-10	LHLDWA046WJKZ	J	Wire Holder, x9 (LC-32G2X)	AC
5-5-11	LHLDZA316WJKZ	J	Lamp Clip, x8	AD
5-5-12	LHLDZA346WJKZ	J	Mirror Clip, x16	AC
5-5-13	LX-HZA023WJFN	J	Screw, x2	
5-5-14	PCLiC1033CEZZ	J	Clip	AC
5-5-15	PMiR-A040WJZZ	J	Mirror	BE
5-5-16	PSPAGA187WJ00	J	Spacer, x8	AB
5-5-17	PSPAHA329WJZZ	J	Spacer, x2	AB
5-5-18	PSPAHA330WJZZ	J	Spacer, x2	AB
5-5-19	PSPAHA338WJZZ	J	Spacer, x2 (LC-32G2M) (LC-32G2H)	AB
5-5-19	PSPAHA338WJZZ	J	Spacer, x4 (LC-32G2X)	AB
5-5-20	PSPAHA339WJZZ	J	Spacer, x2	AD
5-5-21	PSPAKA043WJKZ	J	Spacer, x8	AB
5-5-22	PSPAZA426WJZZ	J	Spacer	AE
5-5-23	PZETKA063WJZZ	J	Insulator	AN
5-5-24	TCAUZA031WJZZ	J	Caution Label	AB
5-5-25	XBBSN40P06000	J	Screw, x25	AA
5-5-26	XBBS940P08000	J	Screw, x2	AB
5-5-27	LHLDW1046CEZZ	J	Wire Holder, x3 (LC-32G2X)	AA
5-6	KLMP-A027WJZZ	J	Lamp, x8	
5-7	LHLDZA309WJK0	J	Lamp Holder, x2	AL
5-8	LHLDZA310WJKZ	J	Lamp Holder, x2	AM
5-9	LX-BZA051WJFN	J	Screw, x5	AB
5-10	PCOVUA027WJZZ	J	Diffusion Panel	BG
5-11	PSHEPA167WJZZ	J	Reflection/Deflection Sheet	
5-12	PSHEPA168WJZZ	J	Prism Sheet	BN
5-13	PSHEPA169WJZZ	J	Diffusion Sheet	AW
5-14	LX-BZA052WJFN	J	Screw, x4	AA
5-15	XBBSN30P08000	J	Screw, x6	AA
5-16	XEBSN30P10000	J	Screw, x6	AA
5-17	XBPSN30P08JS0	J	Screw, x14	AB
5-18	LX-BZA074WJFN	J	Screw, x4	AB
6	CHLDZA330WJ04	J	Bracket Ass'y (L)	AV
6-1	GLEGGA025WJZZ	J	Foot, x2	AB
6-2	LANGKA258WJSA	J	Angle Frame	AQ
6-3	*Not Available*	–	Bracket	—
6-4	LHLDZA357WJKA	J	Holder	AD
6-5	PSPAZA384WJZZ	J	Spacer	AD
6-6	XEBS930P08000	J	Screw, x2	AA
7	CHLDZA335WJ04	J	Bracket Ass'y (R)	AV
7-1	GLEGGA025WJZZ	J	Foot, x2	AB
7-2	LANGKA258WJSA	J	Angle Frame	AQ
7-3	*Not Available*	–	Bracket	—
7-4	LHLDZA357WJKA	J	Holder	AD
7-5	PSPAZA384WJZZ	J	Spacer	AD
7-6	XEBS930P08000	J	Screw, x2	AA
8	*Not Available*	–	Speaker Ass'y (L)	—
8-1	CPNLSA020WJ01	J	Speaker Panel Ass'y (L)	BR
8-2	RSP-ZA076WJN3	J	Speaker (L)	
9	*Not Available*	–	Speaker Ass'y (R)	—
9-1	CPNLSA020WJ03	J	Speaker Panel Ass'y (R)	BR
9-2	RSP-ZA076WJN4	J	Speaker (R)	
10	XBBS940P06000	J	Screw, x2	AB
11	DUNTKC268VJ49	–	LCD CONTROL Unit (LC-32G2M)	—
11	DUNTKC268VJ50	–	LCD CONTROL Unit (LC-32G2X)	—

CABINET AND MECHANICAL PARTS
(LC-32G2M/X/H) (Continued)

Ref. No.	Part No.	★	Description	Code
11	DUNTKC268VJ51	–	LCD CONTROL Unit (LC-32G2H)	—
12	DKEYHC269VJ25	–	TMDS Unit (LC-32G2M)	—
12	DKEYHC269VJ26	–	TMDS Unit (LC-32G2X)	—
12	DKEYHC269VJ27	–	TMDS Unit (LC-32G2H)	—
13	DUNTKC274UJ04	–	KEY Unit (LC-32G2M)	—
13	DUNTKC274UJ05	–	KEY Unit (LC-32G2X)	—
13	DUNTKC274UJ06	–	KEY Unit (LC-32G2H)	—
14	DUNTKC275UJ04	–	R/C LED Unit (LC-32G2M)	—
14	DUNTKC275UJ05	–	R/C LED Unit (LC-32G2X)	—
14	DUNTKC275UJ06	–	R/C LED Unit (LC-32G2H)	—
15	DUNTKC276UJ04	–	EXT-SP Unit (LC-32G2M)	—
15	DUNTKC276UJ05	–	EXT-SP Unit (LC-32G2X)	—
15	DUNTKC276UJ06	–	EXT-SP Unit (LC-32G2H)	—
16	RDENCA081WJZZ	J	POWER Unit (LC-32G2M)	
16	RDENCA059WJZZ	J	POWER Unit (LC-32G2X) (LC-32G2H)	BZ
17	RUNTKA069WJZZ	–	INVERTER-A Unit	—
18	RUNTKA070WJZZ	–	INVERTER-B Unit	—
19	RUNTKA071WJZZ	–	INVERTER-A-GND Unit	—
20	RUNTKA072WJZZ	–	INVERTER-B-GND Unit	—
21	QPWBMC494WJPZ	J	FPC	AM
23	QCNW-C324WJN1	J	Connecting Cord, For-SP Short (L)	AL
24	QCNW-C324WJN2	J	Connecting Cord, For-SP Short (R)	AL
25	QCNW-C051WJQZ	J	Connecting Cord, [TC]	AC
26	QCNW-C052WJQZ	J	Connecting Cord, [LV]	AC
27	QCNW-C208WJQZ	J	Connecting Cord, [RM]	AH
28	QCNW-C209WJQZ	J	Connecting Cord, [KM]	AE
29	QCNW-C211WJQZ	J	Connecting Cord, [AC] (LC-32G2M) (LC-32G2H)	AG
29	QCNW-C729WJQZ	J	Connecting Cord, [AC] (LC-32G2X)	AN
30	QCNW-C212WJQZ	J	Connecting Cord, [IV]	AK
31	PSLDMA326WJ01	J	Main Shield (LC-32G2M) (LC-32G2H)	
31	PSLDMA326WJ02	J	Main Shield (LC-32G2X)	AT
32	PSPAZA458WJZZ	J	Spacer, x2	AD
33	PSPAZA459WJZZ	J	Spacer, x2	AD
34	GCOVAA683WJKA	J	Terminal Cover (Up)	AM
35	GCOVAA684WJKA	J	Terminal Cover (Down)	AN
36	LHLDZA331WJKA	J	Bracket Cover, x2	AK
37	GCOVAA696WJKA	J	SP Wire Cover (L)	AP
38	GCOVAA697WJKA	J	SP Wire Cover (R)	AP
39	LANGKA293WJZZ	J	SP Fixing Metal, x2	AH
40	LANGKA294WJZZ	J	SP Fixing Metal, x2	AH
41	NFANR0126CEZZ	J	Fan, x2	AT
42	LHLDW1046CEZZ	J	Wire Holder	AA
43	XBBS930P08000	J	Screw, x2	AA
44	XBBS940P10000	J	Screw, x2	AB
45	LX-BZA061WJ01	J	Screw, x4	AH
46	XBBSN50P12JS0	J	Screw, x4	AF
47	XBPSN30P04J00	J	Screw, x2	AA
48	XBPSN30P08JS0	J	Screw, x38	AB
49	XBPSN30P20XS0	J	Screw, x4	AB
50	XEBS930P10000	J	Screw, x3	AA
51	XBBS950P12000	J	Screw, x4	AB
52	XEBS940P20000	J	Screw, x13	AB
53	XEBSN30P06000	J	Screw, x2	AA
54	XEBSN30P10000	J	Screw, x8	AA
55	LX-BZA042WJFN	J	Screw, x2	AB
57	QCNW-C206WJQZ	J	Connecting Cord, [BL]	AH
58	QCNW-C207WJQZ	J	Connecting Cord, [GV]	AG
59	QCNW-C044WJQZ	J	Connecting Cord, [TV]	AF
60	QCNW-C210WJQZ	J	Connecting Cord, [PV]	AF
61	QCNW-C205WJQZ	J	Connecting Cord, [SO]	AE
62	PSLDMA327WJFW	J	TMDS Shield (LC-32G2X)	AM
63	PSPAGA209WJZZ	J	Spacer, x2 (LC-32G2X)	AA
64	PSPAGA210WJZZ	J	Spacer, x2 (LC-32G2X)	AB
65	PSPAHA390WJZZ	J	Spacer, x3 (LC-32G2X)	AB

CABINET AND MECHANICAL PARTS (LC-32G2M/X/H)




5-5
5-5-25
5-5-18
5-5-16
5-5-3
5-5-10
5-5-4
5-5-22
5-5-14
5-5-26
5-5-16
5-5-20
5-5-19
5-5-18
5-5-13
5-5-5
5-5-9
5-5-8
5-5-15
5-5-23
5-5-3
5-5-17
5-5-6
5-5-12
5-5-1
5-5-8
5-5-7
5-5-17
5-5-21
5-5-24
5-5-19
5-5-10
5-5-25
5-5-25
5-5-11
5-5-12
5-5-2

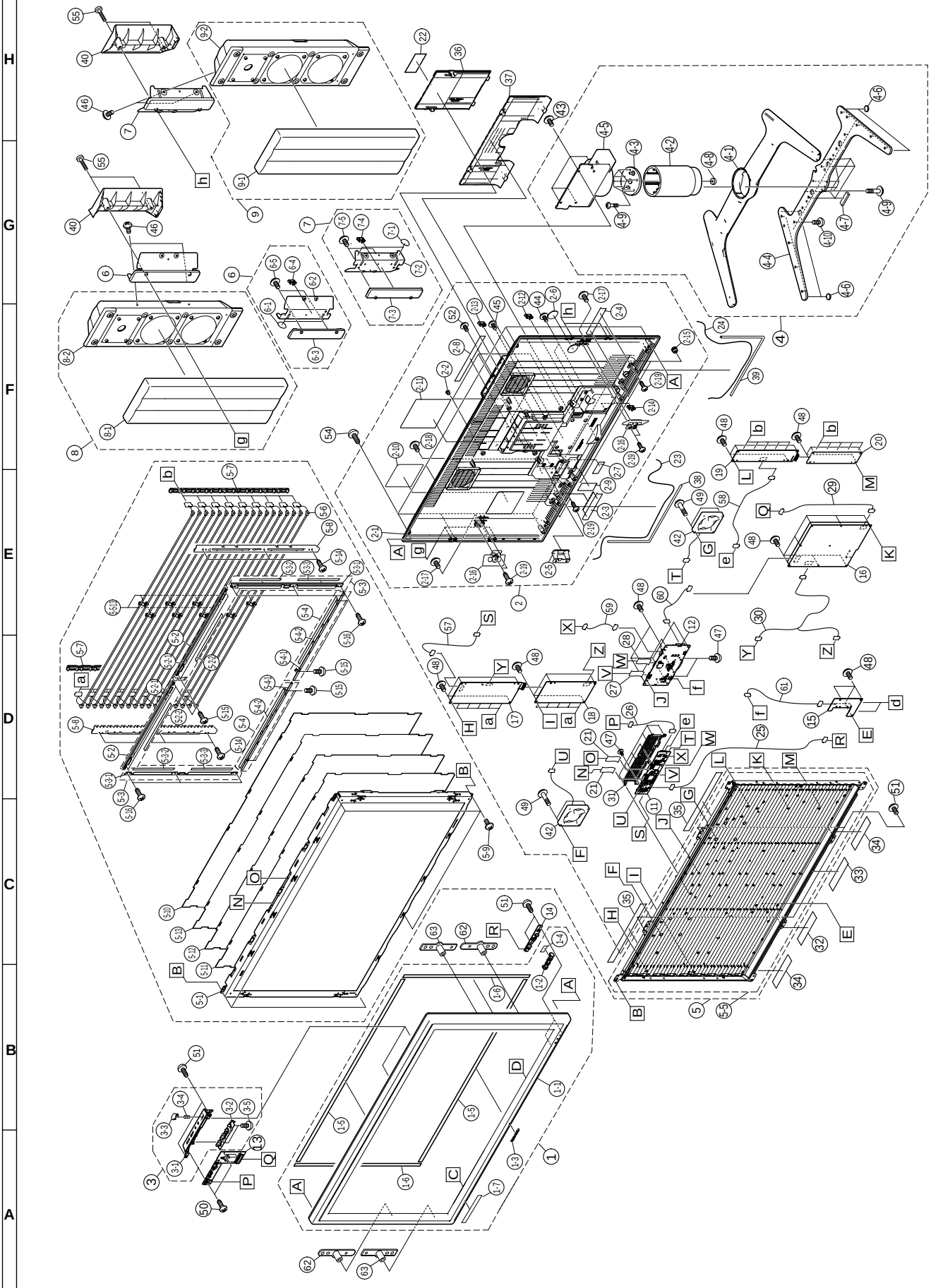
CABINET AND MECHANICAL PARTS
(LC-37G2M/X/H)

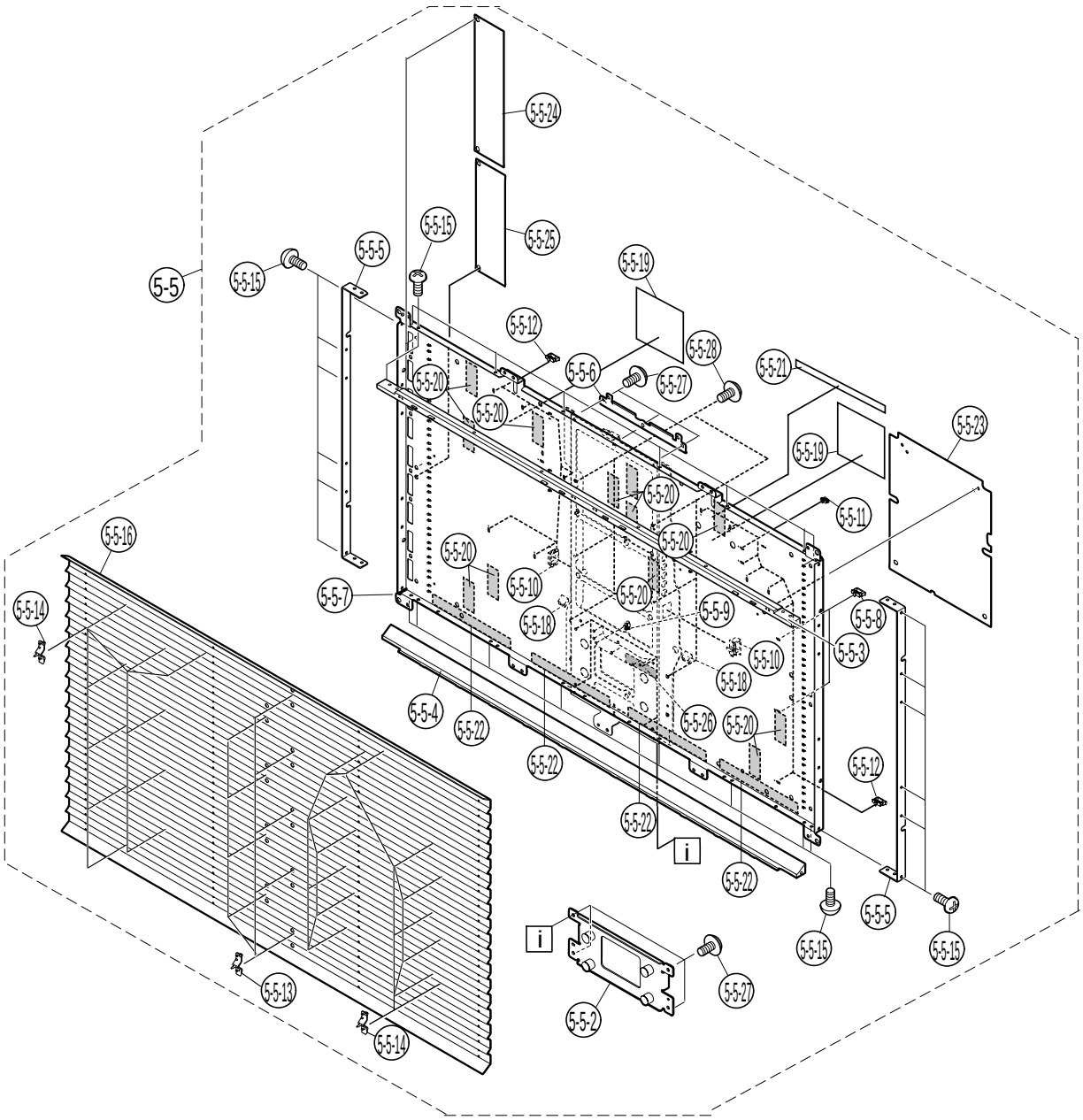
Ref. No.	Part No.	★	Description	Code
1	CCABAA512WJ03	J	Front Cabinet Ass'y	
1-1	*Not Available*	–	Front Cabinet	—
1-2	GCOVAA677WJSA	J	R/C LED Cover	AF
1-3	HBDGBA036WJSA	J	Badge, "SHARP"	AP
1-4	PSPAGA188WJZZ	J	Mask Spacer, x2	AA
1-5	PSPAHA296WJZZ	J	Mask Spacer, x2	AC
1-6	PSPAHA297WJZZ	J	Mask Spacer, x2	AC
2	CCABBA357WJ07	J	Rear Cabinet Ass'y (LC-37G2M)	
2	CCABBA446WJ01	J	Rear Cabinet Ass'y (LC-37G2X)	
2	CCABBA443WJ02	J	Rear Cabinet Ass'y (LC-37G2H)	
2-1	*Not Available*	–	Rear Cabinet	—
2-2	GCOVAA454WJKD	J	Hole Cover, x4	AC
2-3	GCOVAA756WJKB	J	Hole Cover (L)	AG
2-4	GCOVAA757WJKB	J	Hole Cover (R)	AG
2-5	GCOVAA784WJKA	J	SP Cover	AE
2-6	HiNDP5733CESB	J	AQUOS Label	AD
2-7	HiNDPA754WJSA	J	Speaker Terminal Indicator	AD
2-8	HiNDPA786WJSA	J	Indicator	AE
2-9	HiNDPA834WJSA	J	Hole Cover Indicator	AD
2-10	HiNDPA972WJSB	J	Indicator	
2-11	HiNDPB075WJSA	J	Model Label (LC-37G2M)	
2-11	HiNDPB076WJSA	J	Model Label (LC-37G2X)	AG
2-11	HiNDPB074WJSA	J	Model Label (LC-37G2H)	
2-12	LHLDWA043WJKZ	J	Holder	AB
2-13	LHLDWA044WJKZ	J	Holder	AB
2-14	LHLDWA048WJKZ	J	Holder	AB
2-15	LHLDZA349WJZZ	J	Holder, x2	AG
2-16	PSPAGA172WJZZ	J	Spacer, x4	AA
2-17	XEBS930P08000	J	Screw, x2	AA
2-18	XEBSN30P10000	J	Screw, x8	AA
2-19	LX-BZA062WJF9	J	Screw, x2	AF
2-20	PZETKA097WJKZ	J	Insulator (LC-37G2X)	
3	CCOVAA906WJ01	J	Top Control Cover Ass'y	AR
3-1	*Not Available*	–	Top Control Cover	—
3-2	JBTN-A253WJKC	J	Control Button	AH
3-3	JBTN-A254WJKC	J	Power Button	AG
3-4	MSPRCA015WJFW	J	Power Button Spring	AB
3-5	XEBSN30P08000	J	Screw, x2	AA
4	CDAi-A105WJ07	J	Stand Ass'y	
4-1	*Not Available*	–	Stand Base	—
4-2	GDAi-A116WJSC	J	Stand, Support	AZ
4-3	GDAi-A117WJF8	J	Swivel Base	AP
4-4	LANGKA218WJSA	J	Base Angle	BF
4-5	MHNG-A072WJSC	J	Hinge	BL
4-6	PSPAZA476WJZZ	J	Spacer, x4	AC
4-7	PSPAZA477WJZZ	J	Spacer, x4	AD
4-8	LX-NZA013WJFN	J	Nut	AE
4-9	XCSS940P25000	J	Screw, x10	AB
4-10	XEBS940P10000	J	Screw, x12	AB
5	*Not Available*	–	37 WIDE LCD PANEL Unit Ass'y	—
5-1	RLCDTA027WJZZ	J	37 WIDE LCD PANEL Unit	
5-2	CANGKA219WJ01	J	Sheet Angle Ass'y (Width), x2	
5-2-1	*Not Available*	–	Sheet Angle	—
5-2-2	PSPAZA465WJKZ	J	Spacer, x2	AD
5-3	CANGKA220WJ01	J	Sheet Angle Ass'y (Length), x2	—
5-3-1	*Not Available*	–	Sheet Angle	—
5-3-2	PSPAKA038WJKZ	J	Spacer, x2	AC
5-3-3	PSPAZA469WJKZ	J	Spacer, x2	AC
5-4	CANGKA239WJ01	J	Sheet Angle Ass'y, x2	
5-4-1	*Not Available*	–	Sheet Angle	—
5-4-2	PSPAKA039WJKZ	J	Spacer, x2	AC
5-5	CCHSMA096WJ01	J	Chassis Ass'y	CE
5-5-1	LANGKA227WJZZ	J	Chassis Angle	BB
5-5-2	LANGKA229WJFW		Stand Angle	
5-5-3	LANGKA243WJFW	J	Fixing Metal	BC
5-5-4	LANGKA244WJFW	J	Fixing Metal	BB
5-5-5	LANGKA245WJFW	J	Fixing Metal, x2	AS
5-5-6	LANGKA262WJFW	J	Shield Angle	AE
5-5-7	LCHSMA096WJZZ	J	Chassis	BQ
5-5-8	LHLDWA029WJKZ	J	Wire Holder, x2	AC
5-5-9	LHLDWA031WJKZ	J	Wire Holder, x6	AC
5-5-10	LHLDWA039WJKZ	J	Wire Holder, x2	AD
5-5-11	LHLDWA041WJKZ	J	Wire Holder	AC
5-5-12	LHLDWA046WJKZ	J	Wire Holder, x13	AC
5-5-13	LHLDZA315WJKZ	J	Lamp Clip, x9	AD
5-5-14	LHLDZA346WJKZ	J	Mirror Clip, x26	AC
5-5-15	LX-BZA046WJFN	J	Screw, x32	AA
5-5-16	PMiR-A041WJZZ	J	Mirror	BG
5-5-17	PSPAGA187WJ00	J	Spacer, x8	AB
5-5-18	PSPAHA329WJZZ	J	Spacer, x2	AB
5-5-19	PSPAHA330WJZZ	J	Spacer, x2	AB
5-5-20	PSPAHA337WJZZ	J	Spacer, x12	AC
5-5-21	PSPAZA455WJZZ	J	Spacer	AC
5-5-22	PSPAZA466WJKZ	J	Spacer, x4	AB
5-5-23	PZETKA063WJZZ	J	Insulator	AN
5-5-24	PZETKA064WJZZ	J	Insulator	AK
5-5-25	PZETKA065WJZZ	J	Insulator	AH
5-5-26	TCAUZA031WJZZ	J	Caution Label	AB
5-5-27	XBBSN40P08000	J	Screw, x4	AA
5-5-28	XBPSN30P08JS0	J	Screw, x6	AB
5-6	KLMP-A041WJZZ	J	Lamp, x9	BA
5-7	LHLDZA307WJK0	J	Holder, x2	AK
5-8	LHLDZA308WJKZ	J	Holder, x2	AM
5-9	LX-BZA051WJFN	J	Screw, x5	AB
5-10	PCOVUA028WJZZ	J	Diffusion Panel	BH
5-11	PSHEPA238WJZZ	J	Reflection/Diffusion Panel	
5-12	PSHEPA171WJZZ	J	Prism Sheet	BS
5-13	PSHEPA172WJZZ	J	Diffusion Sheet	AX
5-14	XBBSN30P08000	J	Screw, x6	AA
5-15	XBPSN30P08JS0	J	Screw, x16	AB
5-16	XEBSN30P10000	J	Screw, x6	AA
5-17	LX-BZA074WJFN	J	Screw, x8	AA
6	CHLDZA330WJ03	J	Bracket Ass'y (L)	AV
6-1	GLEGGA025WJZZ	J	Foot, x2	AB
6-2	LANGKA257WJSA	J	Angle Frame	AQ
6-3	*Not Available*	–	Bracket	—
6-4	LHLDZA357WJKA	J	Holder	AD
6-5	PSPAZA384WJZZ	J	Spacer	AD
6-6	XEBS930P08000	J	Screw, x2	AA
7	CHLDZA335WJ03	J	Bracket Ass'y (R)	AV
7-1	GLEGGA025WJZZ	J	Foot, x2	AB
7-2	LANGKA237WJSA	J	Angle Frame	AQ
7-3	*Not Available*	–	Bracket	—
7-4	LHLDZA357WJKA	J	Holder	AD
7-5	PSPAZA384WJZZ	J	Spacer	AD
7-6	XEBS930P08000	J	Screw, x2	AA
8	*Not Available*	–	Speaker Ass'y (L)	—
8-1	CPNLSA019WJ01	J	Speaker Panel Ass'y (L)	BS
8-2	RSP-ZA079WJN3	J	Speaker (L)	
9	*Not Available*	–	Speaker Ass'y (R)	—
9-1	CPNLSA019WJ03	J	Speaker Panel Ass'y (R)	BS
9-2	RSP-ZA079WJN4	J	Speaker (R)	
11	DUNTKC268VJ56	–	LCD CONTROL Unit (LC-37G2M)	—
11	DUNTKC268VJ57	–	LCD CONTROL Unit (LC-37G2X)	—
11	DUNTKC268VJ58	–	LCD CONTROL Unit (LC-37G2H)	—

CABINET AND MECHANICAL PARTS
(LC-37G2M/X/H) (Continued)

Ref. No.	Part No.	★	Description	Code
12	DKEYHC269VJ31	–	TMDS Unit (LC-37G2M)	—
12	DKEYHC269VJ32	–	TMDS Unit (LC-37G2X)	—
12	DKEYHC269VJ33	–	TMDS Unit (LC-37G2H)	—
13	DUNTKC274UJ04	–	KEY Unit (LC-37G2M)	—
13	DUNTKC274UJ05	–	KEY Unit (LC-37G2X)	—
13	DUNTKC274UJ06	–	KEY Unit (LC-37G2H)	—
14	DUNTKC275UJ04	–	R/C LED Unit (LC-37G2M)	—
14	DUNTKC275UJ05	–	R/C LED Unit (LC-37G2X)	—
14	DUNTKC275UJ06	–	R/C LED Unit (LC-37G2H)	—
15	DUNTKC276UJ04	–	EXT-SP Unit (LC-37G2M)	—
15	DUNTKC276UJ05	–	EXT-SP Unit (LC-37G2X)	—
15	DUNTKC276UJ06	–	EXT-SP Unit (LC-37G2H)	—
16	RDENCA081WJZZ	J	POWER Unit (LC-37G2M)	
16	RDENCA059WJZZ	J	POWER Unit (LC-37G2X) (LC-37G2H)	BZ
17	RUNTKA080WJZZ	–	INVERTER-A Unit	—
18	RUNTKA081WJZZ	–	INVERTER-B Unit	—
19	RUNTKA082WJZZ	–	INVERTER-A-GND Unit	—
20	RUNTKA083WJZZ	–	INVERTER-B-GND Unit	—
21	QPWBMC494WJPZ	J	FPC	AM
23	QCNW-C323WJN1	J	Connecting Cord, For-SP Short (L)	AL
24	QCNW-C323WJN2	J	Connecting Cord, For-SP Short (R)	AL
25	QCNW-C049WJQZ	J	Connecting Cord, [RM]	AK
26	QCNW-C050WJQZ	J	Connecting Cord, [KM]	AE
27	QCNW-C051WJQZ	J	Connecting Cord, [TC]	AC
28	QCNW-C052WJQZ	J	Connecting Cord, [LV]	AC
29	QCNW-C055WJQZ	J	Connecting Cord, [AC]	AF
30	QCNW-C056WJQZ	J	Connecting Cord, [IV]	AH
31	PSLDMA326WJ01	J	Main Shield (LC-37G2M) (LC-37G2H)	
31	PSLDMA326WJ02	J	Main Shield (LC-37G2X)	AT
32	PSPAZA454WJZZ	J	Spacer	AC
33	PSPAZA455WJZZ	J	Spacer	AC
34	PSPAZA456WJZZ	J	Spacer, x2	AD
35	PSPAZA457WJZZ	J	Spacer, x2	AD
36	GCOVAA681WJKA	J	Terminal Cover (Up)	AN
37	GCOVAA682WJKA	J	Terminal Cover (Down)	AP
38	GCOVAA694WJKA	J	SP Wire Cover (L)	AP
39	GCOVAA695WJKA	J	SP Wire Cover (R)	AP
40	LHLDZA331WJKA	J	Bracket Cover, x2	AK
42	NFANR0126CEZZ	J	Fan, x2	AT
43	XBBSN50P12JS0	J	Screw, x4	AF
44	XBBS930P08000	J	Screw, x2	AA
45	XBBS940P10000	J	Screw, x2	AB
46	XBBS950P12000	J	Screw, x4	AB
47	XBPSN30P04J00	J	Screw, x2	AA
48	XBPSN30P08JS0	J	Screw, x30	AB
49	XBPSN30P20XS0	J	Screw, x4	AB
50	XEBSN30P06000	J	Screw, x2	AA
51	XEBSN30P10000	J	Screw, x8	AA
52	XEBS930P10000	J	Screw, x3	AA
53	XBBS940P06000	J	Screw, x2	AB
54	XEBS940P20000	J	Screw, x13	AB
57	QCNW-C047WJQZ	J	Connecting Cord, [BL]	AK
58	QCNW-C048WJQZ	J	Connecting Cord, [GV]	AG
59	QCNW-C044WJQZ	J	Connecting Cord, [TV]	AF
60	QCNW-C053WJQZ	J	Connecting Cord, [PV]	AF
61	QCNW-C045WJQZ	J	Connecting Cord, [SO]	AF
62	LANGKA293WJZZ	J	SP Fixing Metal, x2	AH
63	LANGKA294WJZZ	J	SP Fixing Metal, x2	AH
64	PSLDMA327WJFW	J	TMDS Shield (LC-37G2X)	AM
65	PSPAGA209WJZZ	J	Spacer, x2 (LC-37G2X)	AA
66	PSPAHA337WJZZ	J	Spacer, x3 (LC-37G2X)	AC
67	PSPAHA338WJZZ	J	Himeron Spacer (LC-37G2X)	AB

CABINET AND MECHANICAL PARTS (LC-37G2M/X/H)




5-5
5-5-24
5-5-25
5-5-15
5-5-5
5-5-19
5-5-12
5-5-28
5-5-6
5-5-27
5-5-21
5-5-20
5-5-23
5-5-11
5-5-16
5-5-7
5-5-10
5-5-18
5-5-9
5-5-8
5-5-3
5-5-14
5-5-4
5-5-22
5-5-26
5-5-12
i
5-5-13
5-5-2

PACKING PARTS
(NOT REPLACEMENT ITEM)

Ref. No.	Part No.	★	Description	Code
			(LC-32G2M/X/H)	
	SPAKCB456WJZZ	–	Packing Case (LC-32G2M)	—
	SPAKCB457WJZZ	–	Packing Case (LC-32G2X)	—
	SPAKCB458WJZZ	–	Packing Case (LC-32G2H)	—
	SPAKL0023CEZZ	–	Joint, x4	—
	SPAKPA376WJZZ	–	Wrapping Paper (LCD Side)	—
	SPAKPA377WJZZ	–	Wrapping Paper (Stand Side)	—
	SSAKA1111CEZZ	–	Polyethylene Bag	—
	SSAKA0170CEZZ	–	Polyethylene Bag	—
	TLABKA013WJZZ	–	Bar Code Label	—
	TLABNA784WJZZ	–	No. Label (LC-32G2M)	—
	TLABNA785WJZZ	–	No. Label (LC-32G2X)	—
	TLABNA786WJZZ	–	No. Label (LC-32G2H)	—
	SPAKXB550WJZZ	–	Buffer Material(Top)	—
	SPAKXB551WJZZ	–	Buffer Material(Bottom)	—
	SPAKXB578WJZZ	–	Buffer Material(Stand Side)	—
	SPAKFA650WJZZ	–	Packing Case (for Accessory)	—
	SPAKCB578WJZZ	–	Packing Case (Bottom)	—
			(LC-37G2M/X/H)	
	SPAKCB517WJZZ	–	Packing Case (LC-37G2M)	—
	SPAKCB518WJZZ	–	Packing Case (LC-37G2X)	—
	SPAKCB516WJZZ	–	Packing Case (LC-37G2H)	—
	SPAKL0023CEZZ	–	Joint, x4	—
	SPAKPA337WJZZ	–	Wrapping Paper (LCD Side)	—
	SPAKPA377WJZZ	–	Wrapping Paper (Stand Side)	—
	SPAKPA379WJZZ	–	Wrapping Paper (Speaker Side)	—
	SPAKPA380WJZZ	–	Wrapping Paper (Speaker Side)	—
	SSAKA1111CEZZ	–	Polyethylene Bag	—
	SSAKA0170CEZZ	–	Polyethylene Bag	—
	TLABKA013WJZZ	–	Bar Code Label	—
	TLABNA849WJZZ	–	No. Label (LC-37G2M)	—
	TLABNA850WJZZ	–	No. Label (LC-37G2X)	—
	TLABNA848WJZZ	–	No. Label (LC-37G2H)	—
	SPAKXA589WJZZ	–	Buffer Material(Top)	—
	SPAKXA590WJZZ	–	Buffer Material(Bottom)	—
	SPAKXA591WJZZ	–	Buffer Material(Stand Side)	—
	SPAKFA688WJZZ	–	Packing Case (for Accessory)	—
	SPAKCB589WJZZ	–	Packing Case (Bottom)	—

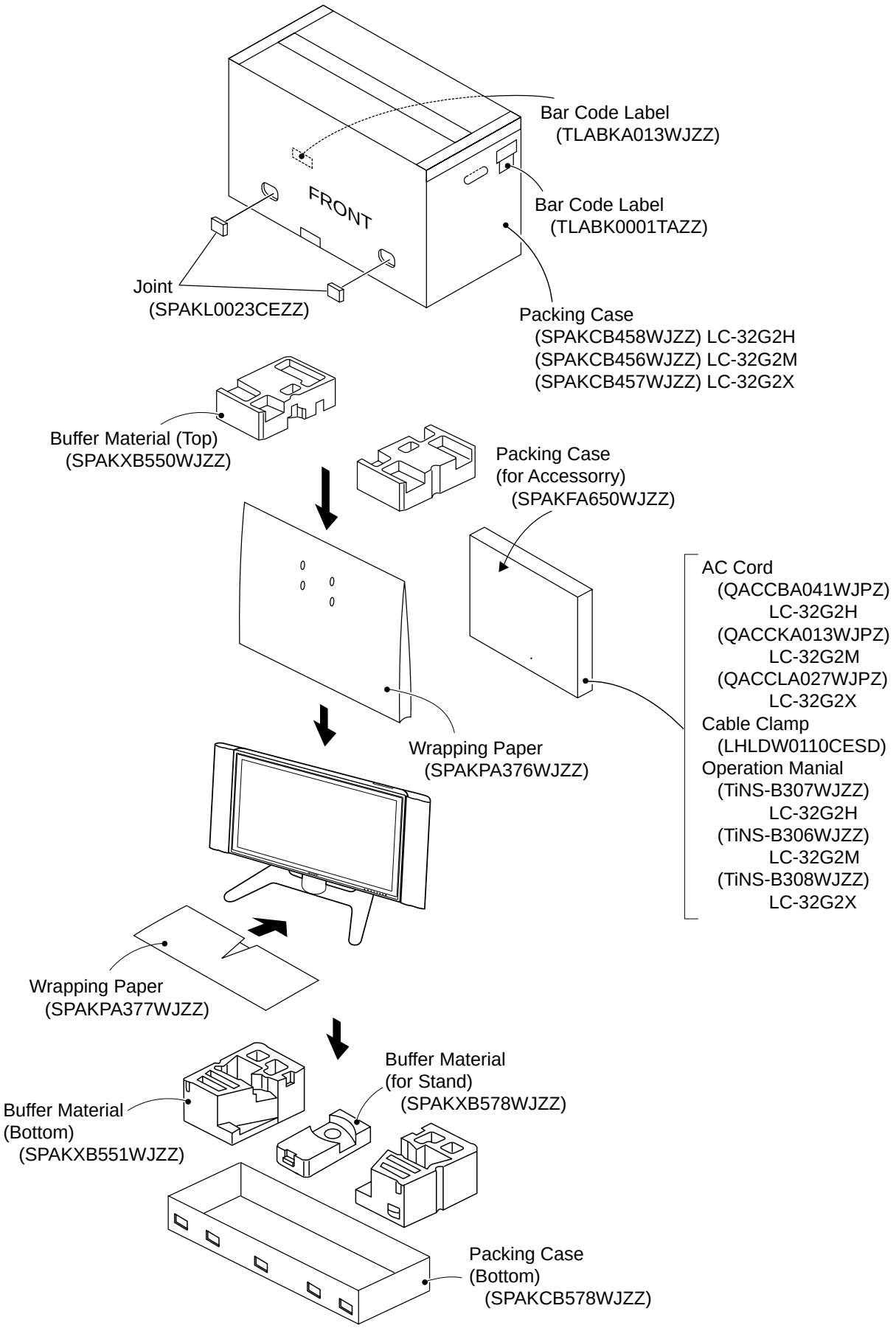
ACCESSORIES

Ref. No.	Part No.	★	Description	Code
			(LC-32G2M/X/H)	
⚠	QACCKA013WJPZ	J	AC Cord (LC-32G2M)	
⚠	QACCLA027WJPZ	J	AC Cord (LC-32G2X)	AS
⚠	QACCBA041WJPZ	J	AC Cord (LC-32G2H)	
	LHLDW0110CESD	J	Cable Clamp (Large)	AE
	TiNS-B306WJZZ	J	Operation Manual (LC-32G2M)	
	TiNS-B308WJZZ	J	Operation Manual (LC-32G2X)	
	TiNS-B307WJZZ	J	Operation Manual (LC-32G2H)	
	TCAUZA123WJZZ	J	Caution Card (LC-32G2X)	
			(LC-37G2M/X/H)	
⚠	QACCKA013WJPZ	J	AC Cord (LC-37G2M)	
⚠	QACCLA027WJPZ	J	AC Cord (LC-37G2X)	AS
⚠	QACCBA041WJPZ	J	AC Cord (LC-37G2H)	
	LHLDW0110CESD	J	Cable Clamp (Large)	AE
	TiNS-B306WJZZ	J	Operation Manual (LC-37G2M)	
	TiNS-B308WJZZ	J	Operation Manual (LC-37G2X)	
	TiNS-B307WJZZ	J	Operation Manual (LC-37G2H)	
	UKOGDA002WJZZ	J	Mini Driver	AK
	TCAUZA123WJZZ	J	Caution Card (LC-37G2X)	

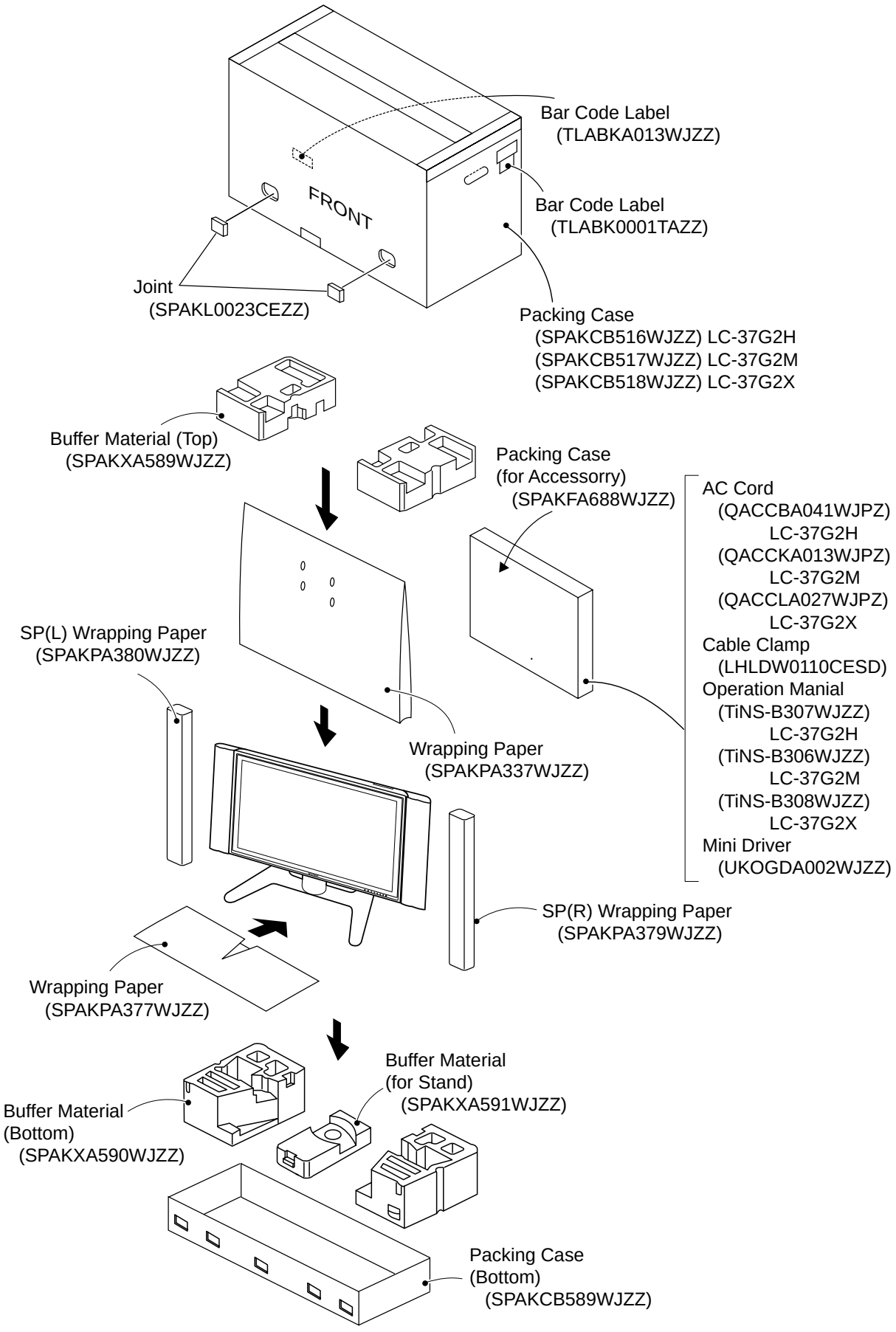
SERVICE JIGS

Ref. No.	Part No.	★	Description	Code
	QCNW-C222WJQZ	J	Connecting Cord 80-pin (FFC)	AW
	QCNW-C223WJQZ	J	Connecting Cord 12-pin	AX
	QCNW-C224WJQZ	J	Connecting Cord 8-pin	AU
	QCNW-C225WJQZ	J	Connecting Cord 5-pin	
	QCNW-C226WJQZ	J	Connecting Cord 7-pin	AT

PACKING OF THE SET (LC-32G2M/X/H)



PACKING OF THE SET (LC-37G2M/X/H)



SHARP

COPYRIGHT © 2004 BY SHARP CORPORATION

ALL RIGHTS RESERVED.

No part of this publication may be reproduced,
stored in a retrieval system, or transmitted in
any form or by any means, electronic, mechanical,
photocopying, recording, or otherwise, without
prior written permission of the publisher.

TQ0000-S
Sep. 2004 Printed in Japan

Design and Production Information
Design : Japan
Production : Japan

SY. KD

SHARP CORPORATION
AV Systems Group
Quality & Reliability Control Center
Yaita, Tochigi 329-2193, Japan